



DTE CODE - 6545

SAMARTH EDUCATIONAL TRUST

ARVIND GAVALI COLLEGE  
OF ENGINEERING

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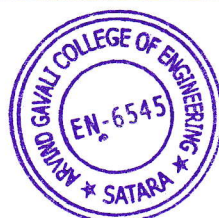
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37 YEARS  
OF ACADEMIC  
EXCELLENCE

### Achievements of Faculty Members [2022 – 23]:

<https://www.agce.edu.in/files/autonomy/af/2022-2023.pdf>

Sr. No.	Name of the Faculty Member	Department	Award/Recognition	Details
1	Dr. P. R. Bamane	Civil Engineering	Research Paper Publication	Review Paper on Design of- Rain Water Harvesting System for Nimshirgaon Village
2	Dr. P. R. Bamane	Civil Engineering	Research Paper Publication	Review Paper Seismic Analysis of High - Rise Building by Response Spectrum Method
3	Dr. P. R. Bamane	Civil Engineering	Research Paper Publication	Review Paper on Retrofitting of RC Structure
4	Dr. P. R. Bamane	Civil Engineering	Research Paper Publication	Review Paper on Design and Estimate of Sewage Treatment Plan
5	Dr. P. R. Bamane	Civil Engineering	Presented Research Paper in International Conference	Retrofitting of RC Structure
6	Dr. P. R. Bamane	Civil Engineering	Presented Research Paper in International Conference	A Research on Green Building's in India
7	Dr. P. R. Bamane	Civil Engineering	Published Indian Patent	Impact of Total Quality Management Practices on Customer Retention and Satisfaction
8	Mr. R. N. Sapkal	Civil Engineering	Research Paper Publication	Review Paper on Design and Estimate of Sewage Treatment Plan
9	Mr. R. N. Sapkal	Civil Engineering	Presented Research Paper in International Conference	Design Of Modular Multi-Storied Steel Frame Building
10	Mr. R. N. Sapkal	Civil Engineering	Presented Research Paper in International Conference	Study and Suggestive Measures of Landslides





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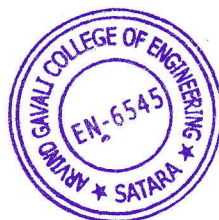
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11	Mr. R. N. Sapkal	Civil Engineering	Presented Research Paper in International Conference	Utilization of plastic waste for making plastic bricks
12	Mr. R. N. Sapkal	Civil Engineering	Attended One Week Faculty Development Program	One Week Faculty Development Program on "Amazon Web Services"
13	Mr. R. N. Sapkal	Civil Engineering	Attended Faculty Development Program	FDP on "Teaching Pedagogy & Outcome Based Education System in NEP 2020"
14	Dr. A. V. Gujar	Civil Engineering	Research Paper Publication	Strengthening of partially ductile RC beam-column connections [Scopus Indexed]
15	Dr. A. V. Gujar	Civil Engineering	Research Paper Publication	Bi-diaphragm elastoplastic haunch retrofit solution for ill-detailed RC beam-column joints [SCOPUS Indexed]
16	Mr. S. Shinde	Civil Engineering	Presented Research Paper in International Conference	Analyse and Design of Equitable Water Supply for Rural Water Distribution Network
17	Mr. V. B. Gujar	Computer Science and Engineering	Research Paper Publication	A Review on automatic response provision for improving conversation
18	Mr. V. B. Gujar	Computer Science and Engineering	Research Paper Publication	Improving performance of software through genetic algorithms by generating automatic test cases [SCOPUS Indexed]
19	Mr. V. B. Gujar	Computer Science and Engineering	Presented Research Paper in International Conference	Realtime face mask detection using CNN
20	Mr. V. B. Gujar	Computer Science and Engineering	Presented Research Paper in International Conference	Dengu Malaria Prediction using CNN
21	Mr. V. B. Gujar	Computer Science and Engineering	Presented Research Paper in International Conference	Custom named entity recognition using spacy





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22	Mr. V. B. Gujar	Computer Science and Engineering	Presented Research Paper in International Conference	Personal health care
23	Mr. V. B. Gujar	Computer Science and Engineering	Presented Research Paper in International Conference	Plant Leaf Disease Detection using CNN
24	Mr. V. B. Gujar	Computer Science and Engineering	Attended Five Days Aptitude Training Program	Five Days Aptitude Training Program
25	Mr. V. B. Gujar	Computer Science and Engineering	Attended One Week FDP	One Week Faculty Development Program on Current Trend in Information Technology Sector
26	Mr. V. B. Gujar	Computer Science and Engineering	Attended One Week Faculty Development Program	One Week Faculty Development Program on "How to write research article and publish in journal"
27	Mr. V. B. Gujar	Computer Science and Engineering	Attended Five Days Training Program	Five Days "Soft Skills Training Program"
28	Mr. V. B. Gujar	Computer Science and Engineering	Attended One Week Online STTP	One Week Online STTP on "Fog-Edge Computing & Data Science"
29	Mr. V. B. Gujar	Computer Science and Engineering	Attended National Level One Week FDP	National Level One Week FDP on "Internet of Things-Industry 5.0"
30	Mr. V. B. Gujar	Computer Science and Engineering	Attended ISTE Approved FDP	ISTE Approved FDP on "Web Technology"
31	Mrs. R. M. Mandhare	Computer Science and Engineering	Presented Research Paper in International Conference	A Novel Online Medicine Donation System
32	Mrs. R. M. Mandhare	Computer Science and Engineering	Presented Research Paper in International Conference	Inventory management system
33	Mrs. R. M. Mandhare	Computer Science and Engineering	Published Indian Patent	Secret Key Management For Distributed Wireless Sensor Network
34	Mr. P. A. Pathak	Computer Science and Engineering	Research Paper Publication	A Review on automatic response provision for improving conversation





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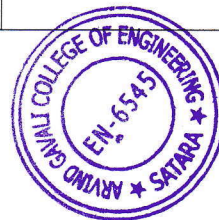
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35	Mr. P. A. Pathak	Computer Science and Engineering	Presented Research Paper in International Conference	Real estate search based on data mining
36	Mr. P. A. Pathak	Computer Science and Engineering	Presented Research Paper in International Conference	Product Recommendation System
37	Mr. P. A. Pathak	Computer Science and Engineering	Presented Research Paper in International Conference	E-Learning Management System
38	Mr. P. A. Pathak	Computer Science and Engineering	Attended One Week FDP	One Week FDP on “Current Trend in Information Technology Sector”
39	Mr. P. A. Pathak	Computer Science and Engineering	Attended One Week FDP	One Week FDP on “National Education policy”
40	Mr. P. A. Pathak	Computer Science and Engineering	Attended One Day IP Awareness/Training Program	IP Awareness/Training Program under National Intellectual Property Awareness Mission
41	Mr. P. A. Pathak	Computer Science and Engineering	NPTEL Certification	NPTEL Certification for “Social Networks”
42	Dr. S. Y. Mulla	Computer Science and Engineering	Presented Research Paper in International Conference	Human activity and face recognition using machine learning and deep learning model
43	Dr. S. Y. Mulla	Computer Science and Engineering	Presented Research Paper in International Conference	Women security system
44	Dr. S. Y. Mulla	Computer Science and Engineering	Presented Research Paper in International Conference	Sign Language Recognition using Machine Learning
45	Dr. S. Y. Mulla	Computer Science and Engineering	Presented Research Paper in International Conference	Clinical Report Extraction using NLP
46	Dr. S. Y. Mulla	Computer Science and Engineering	Received Grant Under DBATU-VC-RPG-2023	Received Grant Under DBATU-VC-RPG-2023 of Rs. 2.60 Lakhs for the Research Project Titled, “Text2Query – An Automated Question Generation System”





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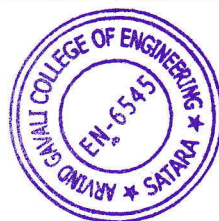
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47	Dr. M. M. Shah	Computer Science and Engineering	Indian Patent	Device to Analyse the Software Code
48	Dr. M. M. Shah	Computer Science and Engineering	Indian Patent	Emergency Ambient Noise Reactive VR System
49	Dr. B. M. Nayak	Electrical Engineering	Research Paper Publication	Power quality improvement by using photovoltaic based shunt active harmonic filter with Z-source inverter converter [Scopus Indexed]
50	Dr. B. M. Nayak	Electrical Engineering	Research Paper Publication	Performance Investigation of Solar Photovoltaic System for Mobile Communication Tower Power Feeding Application [Scopus Indexed]
51	Dr. B. M. Nayak	Electrical Engineering	Research Paper Publication	Computation of Cloud in Set Statistics Transferring [Scopus Indexed]
52	Dr. B. M. Nayak	Electrical Engineering	Research Paper Publication	Design and Installation of High-Capacity Centralized Coolant Pump for Optimization of Power Consumption using VFD Controller
53	Dr. B. M. Nayak	Electrical Engineering	Research Paper Publication	Monitoring and Controlling of Solar Power Plant Based on IoT
54	Dr. B. M. Nayak	Electrical Engineering	Presented Research Paper in International Conference	Automatic Drip Irrigation System Using Microcontroller & Electrical Devices
55	Dr. B. M. Nayak	Electrical Engineering	Presented Research Paper in International Conference	Battery Swapping System for Electrical Vehicle
56	Dr. B. M. Nayak	Electrical Engineering	Attended One Week FDP	One Week FDP on "How to Write Research Article & Publish in Journals"
57	Dr. B. M. Nayak	Electrical Engineering	Received Grant Under DBATU-VC-RPG-2023	Received Grant Under DBATU-VC-RPG-2023 of Rs. 3 Lakhs for the Research Project Titled, "Pyro-cycling: Electricity Generation by Plastic and Dry Garbage Waste"





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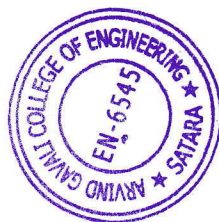
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58	Mr. Somesha NSR	Electrical Engineering	Presented Research Paper in International Conference	Total Harmonics Distortion (THD) And Switching Losses Reduction By Arduino Based Seven Level Inverter
59	Mr. Somesha NSR	Electrical Engineering	Presented Research Paper in International Conference	Solar Operated Mobile Pesticide and Fertilizer Sprayer
60	Ms. A. Mali	Electrical Engineering	Presented Research Paper in International Conference	Self-Balancing Robot
61	Dr. G S Mirajkar	Electronics and Telecommunication Engineering	Attended the "International Summit on Toxicology and Applied Pharmacology"	Attended the "International Summit on Toxicology and Applied Pharmacology" held during April 27-29, 2023 in Valencia, Spain as Invited Speaker
62	Dr. G S Mirajkar	Electronics and Telecommunication Engineering	Research Paper Publication	Comparative analysis of texture analysis methods for retrieval of forest stand age for SAR images [Web of Science]
63	Dr. G S Mirajkar	Electronics and Telecommunication Engineering	Presented Research Paper in International Conference	Gesture Recognition Based Virtual Mouse and Keyboard
64	Dr. G S Mirajkar	Electronics and Telecommunication Engineering	Presented Research Paper in International Conference	Voice Based Medical Assistant Chatbot
65	Dr. G S Mirajkar	Electronics and Telecommunication Engineering	Presented Research Paper in International Conference	Greeting Voice Controlled Robot Using Arduino Board
66	Dr. G S Mirajkar	Electronics and Telecommunication Engineering	Presented Research Paper in International Conference	Crop Prediction and Leaf Disease Detection
67	Dr. G S Mirajkar	Electronics and Telecommunication Engineering	Chaired Session for ISMS-2022	Session Chair for 5 <sup>th</sup> International Conference on Information Systems and Management Science (ISMS 2022)





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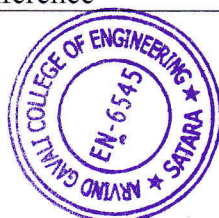
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68	Dr. V. S. Hingmire	Electronics and Telecommunication Engineering	Research Paper Publication	SAOA: Multi-Objective Fault-Tolerance Based Optimized RPL Routing Protocol in Internet of Things [Web of Science]
69	Mr. D. B. Jagtap	Electronics and Telecommunication Engineering	Presented Research Paper in International Conference	IoT Based Smart Lift Management System
70	Mr. D. B. Jagtap	Electronics and Telecommunication Engineering	Presented Research Paper in International Conference	IoT Based Dam Irrigation System
71	Mr. D. B. Jagtap	Electronics and Telecommunication Engineering	Attended Faculty Development Program	FDP on Python, Data Science & Machine Learning
72	Mr. D. B. Jagtap	Electronics and Telecommunication Engineering	Attended ISTE Approved One Week FDP	One Week FDP on "Current Trend in Information Technology Sector"
73	Mrs. B. P. Pol	Electronics and Telecommunication Engineering	Presented Research Paper in International Conference	Wireless Mobile Charger
74	Mrs. B. P. Pol	Electronics and Telecommunication Engineering	Presented Research Paper in International Conference	Accelerometer Based Hand Gesture Controlled Robo-Car
75	Dr. D. S. Shinde	Electronics and Telecommunication Engineering	Presented Research Paper in International Conference	Sign Language For Deaf and Mute People
76	Dr. D. S. Shinde	Electronics and Telecommunication Engineering	Presented Research Paper in International Conference	IOT Based Electricity Theft Detection System
77	Mrs. S. B. Nalawade-Ghadage	Electronics and Telecommunication Engineering	Presented Research Paper in International Conference	IoT Based Digital Notice Board
78	Mrs. S. B. Nalawade-Ghadage	Electronics and Telecommunication Engineering	Presented Research Paper in International Conference	IoT Based Internet Operated Robot Controlled System
79	Mrs. S. B. Nalawade-Ghadage	Electronics and Telecommunication Engineering	Presented Research Paper in International Conference	Traffic Light Control System





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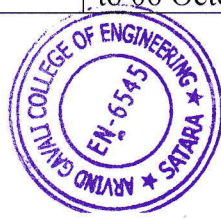
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80	Dr. V. A. Pharande	Mechanical Engineering	Research Paper Publication	A Performance Enhancement of Household Refrigerator using Phase Change Materials (PCMs) [Scopus Indexed]
81	Dr. V. A. Pharande	Mechanical Engineering	Research Paper Publication	Conversion of Waste Plastics into Fuel Using Pyrolysis Process [Scopus Indexed]
82	Dr. V. A. Pharande	Mechanical Engineering	Published Indian Patent	DP Transformer Theft Protection and Monitoring System
83	Dr. A. N. Khadtare	Mechanical Engineering	Presented Research Paper in 4 th International Conference on Advanced Technologies for Societal Application (Techo Societal 2022). At: SVERI Pandharpur	A Comparative study of Nano- MQL and MQL on Chip Morphology and Shear Angle under High Speed Turning of Inconel 718: For a Sustainable Machining
84	Mr. S. P. Patil	Mechanical Engineering	Research Paper Publication	Characterization and Machinability Studies of Aluminium-based Hybrid Metal Matrix Composites – A Critical Review [Scopus Indexed]
85	Mr. S. P. Patil	Mechanical Engineering	Research Paper Publication	Heat Transfer Enhancement in Tubular Heat Exchanger with Jet Impingement: A Review [Scopus Indexed]
86	Mr. S. P. Patil	Mechanical Engineering	Presented Research Paper in International Conference	Design and development of 360-degree rotating fire protection system
87	Mr. S. P. Patil	Mechanical Engineering	Presented Research Paper in International Conference	Design and Fabrication of Automatic Ground Clearance Machine
88	Mr. S. P. Patil	Mechanical Engineering	Presented Research Paper in International Conference on Recent Advances in Fluid Mechanics ICRAFM2022, 04 to 06 October 2022	Characterization and Machinability Studies of Aluminium-based Hybrid Metal Matrix Composites – Critical Review







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89	Mr. S. P. Patil	Mechanical Engineering	Attended One Day IP Awareness/Training Program	IP Awareness/Training Program under National Intellectual Property Awareness Mission
90	Dr. S. Sarapure	Mechanical Engineering	Research Paper Publication	Optimization of material removal rate and surface roughness during electric discharge machining of ultra-fine grained Al6082 using Taguchi technique [Scopus Indexed]
91	Dr. S. Sarapure	Mechanical Engineering	Research Paper Publication	Development of predictive models for wire electrical discharge machining of aluminium metal matrix composites by using regression analysis and neural network [Scopus Indexed]
92	Dr. S. Sarapure	Mechanical Engineering	Research Paper Publication	Optimization of parameters for Damping Performance of AZ91 Magnesium matrix hybrid Composites [Scopus Indexed]
93	Dr. S. Sarapure	Mechanical Engineering	Presented Research Paper in International Conference	Design and Fabrication of Semi-Automatic Mulching Machine
94	Dr. S. Sarapure	Mechanical Engineering	Published Chapter in "Advanced Flexible Ceramics Design, Properties, Manufacturing, and Emerging Applications"	Advanced type cast multilayer thin ceramics and composites with inelastic failure behaviours for damage-resistant applications
95	Dr. Mahammadsalman Warimani	Mechanical Engineering	Research Paper Publication	Coconut Shell Carbonization Process Using Smokeless Kiln
96	Dr. Mahammadsalman Warimani	Mechanical Engineering	Presented Research Paper in International Conference	Metal nonmetal sorting using metal detection
97	Dr. Mahammadsalman Warimani	Mechanical Engineering	Attended One Day Orientation Programme	One Day Orientation Programme for Startups
98	Dr. A. A. Kadam	Mechanical Engineering	Research Paper Publication	A Study on Transient Heat Transfer Analysis





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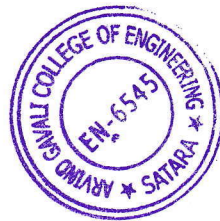
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99	Dr. A. B. Gholap	Mechanical Engineering	Research Paper Publication	Condition Monitoring of Two-Stage Spur Gearbox Using Vibration Signature Spectrum Analysis [Scopus Indexed]
100	Dr. A. B. Gholap	Mechanical Engineering	Presented Research Paper in International Conference	Radial and axial relief Grinding Machine
101	Dr. A. B. Gholap	Mechanical Engineering	Presented Research Paper in International Conference	Alternative Method for Water Lifting Technology in Rural Areas (Zero Energy Water lifting Technology in Rural India)
102	Dr. A. B. Gholap	Mechanical Engineering	Presented Research Paper in International Conference	Design and Fabrication of a Section Bending Machine
103	Dr. M. Sonachalam	Mechanical Engineering	Presented Research Paper in International Conference	Road Power Generation by Using Flip-Plate Mechanism
104	Mrs. M. N. Alatkhar	Mechanical Engineering	Presented Research Paper in International Conference	Robotic arm with vehicle
105	Mrs. M. N. Alatkhar	Mechanical Engineering	Attended Five Days FDP	Online Faculty Development Programme on "National Education Policy – 2020"
106	Mrs. M. N. Alatkhar	Mechanical Engineering	Attended Two Days Regional FDP	Two Days Regional FDP on 'Capacity Building of HEI's through Research Initiatives'
107	Mr. S. S. Ghadage	Mechanical Engineering	Presented Research Paper in International Conference	Multipurpose Agriculture 3 – Wheel Pesticides Sprayer



*[Signature]*

**Principal**  
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