

BIO DATA



Name : S.Valai Ganesh

Current Designation : Assistant Professor (Senior Grade)

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Researcher ID: <https://www.researchid.co/rid20807>

Web of Science Researcher ID: ACS-5433-2022

1. Educational Qualification

Degree	Branch / Specialization	Institute/University	Year of Passing
B.E.	Mechanical Engineering	Francis Xavier Engineering College	2012
M.E	CAD/CAM	Francis Xavier Engineering College	2014
Ph.D	Robotics and Deep Learning	Anna University	Thesis Submitted 2025
PG Certification Program	Robotics and 3D Printing	IIT (ISM) Dhanbad	2024

1A. Sabbaticals/Internship

Type	Title	Institute/University	Period
Sabbatical	AI and Deep Learning	Bennett University	November 2024-December 2024
Internship	Robotics	IIT (ISM) Dhanbad with NPTEL	June 2025
Internship	STEM Kits	IIT Guwahati with NPTEL	December 2025

Updated as on 01.04.2026

2. Professional/ Industry Experience

: (in chronological order)

S.No	Designation	Institution/ Organization	Period	
			From	To
1	Assistant Professor (Senior Grade)	Ramco Institute of Technology	01.01.2023	Till Date
2	Assistant Professor	Ramco Institute of Technology	15.06.2015	31.12.2022
3	Assistant Professor	SCAD Engineering College	05.06.2014	25.05.2015

3. Research Interest – Industrial Robotics, Automation and Mechatronic Systems, Predictive Analytics, Robotic Process Automation (RPA), Industry 4.0 and Smart Manufacturing and Solid Waste Management

4 Publications

4.1 Journal Publications

1. Valai Ganesh S, Suresh V, Rajakarunakaran S, Suryakumar V (2025), Sustainable electronic waste management framework for academic institutions in India, *Scientific Reports*, **15**, 40550 (2025). <https://doi.org/10.1038/s41598-025-24278-z>
2. **Valai Ganesh Sankararamasubramanian**, Suresh Vaikuntam, Godwin Barnabas Solomon, Rajakarunakaran Sivaprakasam (2025), Exploring Sustainable Futures: Strategic Transitions in India's Urban Waste Scenario - A Comprehensive Review, *Environmental Engineering and Management Journal*, 24(9), 2099-2121. <http://doi.org/10.30638/eemj.2025.162>
3. **Valai Ganesh S**, Suresh V, Godwin Barnabas S (2025), Predictive Analysis and Data-Driven Approaches for Developing Sustainable Municipal Solid Waste Management Strategies in Smart Cities: An Urban Analysis of Madurai, *Iranian Journal of Chemistry and Chemical Engineering (IJCCE)*, 44(7), 1944-1961. <https://doi.org/10.30492/ijcce.2025.2047839.6920>
4. S. Godwin Barnabas, K. Arun Vasantha Geethan, **S. Valai Ganesh** (2025), Commercialization of waste tyre using a Simple Recycling Process, *Environmental Engineering and Management Journal*, 24(1), 63-77. <http://doi.org/10.30638/eemj.2025.006>
5. **S. Valai Ganesh**, V. Suresh, S. Godwin Barnabas, S. Rajakarunakaran (2024), Innovative solid waste management strategies for smart cities in Tamil Nadu: challenges, technological solutions, and sustainable prospects, *Discover Applied Science*, 6, 660. <https://doi.org/10.1007/s42452-024-06404-0>
6. V, Murugashri, Balavignesh P, Rahul P, Ramanathan Seranthian, **Valai Ganesh S** (2024), A Critical Analysis and Prediction of Heat Transfer and Flow Characteristics in the Sudden Expansion Channel with Square Block Using Machine Learning, *Numerical Heat Transfer, Part B: Fundamentals*, 1–25. <http://doi.org/10.1080/10407790.2024.2362403>
7. Godwin Barnabas S, Arun Vasantha Geethan K, **Valai Ganesh S**, Karthikeyan M.K.V, Chrispin Das M (2023), Application of Decision-Making Algorithms in the Landfill Site Selection, *Environmental Engineering and Management Journal*, 22(9): 1547-1556, <http://doi.org/10.30638/eemj.2023.130>

Updated as on 01.04.2026

8. Godwin Barnabas Solomon, Sridharan Surendran, Ragul Ramesh, **Valai Ganesh Sankararamasubramanian**, Satish Pandian Ganapathy, Prasad Deivendran (2023), A review on implementation of Kanban system in various process industries, *AIP Conf. Proc.* 2831, <https://doi.org/10.1063/5.0163403>
9. Arun Vasantha Geethan Kathiresan, Godwin Barnabas Solomon, **Valai Ganesh Sankararamasubramanian**, VijayAnanth Suyamburajan (2022) Vital Role of Recent Technologies in Sorting Different Solid Waste Materials in Recycling Process, *Fresenius Environmental Bulletin*, 31(5).
10. K Geethan, Arun Vasantha, S Godwin Barnabas, Vijay Ananth Suyamburajan, **S Valai Ganesh** (2022) Obtaining the zero landfill for End of Life of automotive components using efficient recycling and reusing approach, *Fresenius Environmental Bulletin*, 9821
11. S. Godwin Barnabas, K.A.V. Geethan, **S. Valai Ganesh**, S.Rajakarunakaran, P. Sabarish Kumar (2021), Role of Modern Technologies and Internet of Things in the Field of Solid Waste Management, *International Journal of Computers Communications & Control*, 16(5), <https://doi.org/10.15837/ijccc.2021.5.4239>
12. S. Godwin Barnabas, **S. Valai Ganesh**, V. Sivakumar (2020), Development of medical physio device for stroke patients, *Materials Today Proceedings*, 45:869-873. <https://doi.org/10.1016/j.matpr.2020.02.929>
13. T. Karthik@Siva, V. Kannan, S. Rajakarunakaran and **S. Valai Ganesh**, (2019), Development of Smart Humanoid Flexo Grab, *International Journal of Applied Engineering Research*, 14(11) (Special Issue): 193-199.
14. B Ramkumar, K Venkatesh, R Ramesh, **S. Valai Ganesh**, (2017), Design and Development of Pneumatic Articulated Robot For Palletizing Operations, *International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE)*, ISSN: 0976-1353, 24(4): 91-93.

4.2 Conference Publications

1. B.Ramkumar, R.Ramesh, K.Venkatesh and **S.Valai Ganesh**, "Design and Development of Pneumatic Articulated Robot for Palletizing Operations", National Conference on Innovation Engineering, Science and Technology, Ramco Institute of Technology, Rajapalayam, March 2017.
2. B.Ramkumar, R.Ramesh, K.Venkatesh, **S.Valai Ganesh** and S.Rajakarunakaran,"Development of PLC Based Pneumatic Articulated Robot for Sorting Operations", Third International Conference on Advances in Industrial Engineering Applications, ICAIEA 2018, January 2018.
3. S.Nirmal Kumar, S.Padmasubash, M.Paulraj and **S.Valai Ganesh**, "Robotic Grasping Arm", National Conference on RAME, P.S.R Engineering College, March 2018.
4. S.Nirmal Kumar, S.Padmasubash, M.Paulraj and **S.Valai Ganesh**, " Automated Grasping Distals", National Conference on ICTSD, Ramco Institute of Technology, Rajapalayam, March 2018
5. M.Gobinath, S.Harish Kumar, S.Mani Vignesh, S.H.Mohamed Yusuff and **S.Valai Ganesh**, "Design of Desiccation Aquatic Craniate", National Conference on Advanced Materials, Robotics and Automation, Bannari Amman Institute of Technology, Erode, March 2019
6. T.Rahul, T.Sushanth, M.Varun Kumar, S.Yogesh Kumar and **S.Valai Ganesh**, "Advancement on Concur Tint Partition", National Conference on RAMPS'19, Rajalakshmi Engineering College, March 2019
7. T.Karthik@Siva, V.Kannan, N.Gokulakrishnan , **S.Valai Ganesh** and S.Rajakarunakaran, "Development of Smart Humaniod Flexo Grab" 5th IEEE International Conference on Science, Technology, Engineering and Mathematics, Jeppiaar Engineering College, March 2019

8. T. Karthik@Siva, V. Kannan, N.Gokulakrishnan, S. Rajakarunakaran and **S. Valai Ganesh** "Design of Humanoid Smart Gripper" – National Conference on "Recent Trends in Mechanical Engineering-2019" conducted by The Institute of Engineers (India) at Dr. Sivanthi Aditanar College of Engineering, Tiruchendur, March 2019
9. S.Godwin Barnabas, **S.Valai Ganesh**, P.Muthukumar, "Simple Mechanical Devices for Hemorrhagic Stroke Patients" in CSIR Sponsored International Conference on Advances in Materials Research (ICAMR-2019) organised by Bannari Amman Institute of Technology Sathyamangalam December 2019.
10. T.Karthik alias Siva, M S R. Mohan Kumar, D. Manimukilan, K. Hariharan, **S.Valai Ganesh**, S.Rajakarunakaran "Automatic opening and closing of Door by using Deep Face Recognition Techniques" in National conference on Artificial Intelligence Applications in Engineering and Technology 2020 organized by Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore on February 2020.
11. **S. Valai Ganesh**, Mohit Agarwal, Suneet Kr. Gupta, S. Rajakarunakaran, "Static and Dynamic Activities Prediction of Human using Machine and Deep Learning Models", in 8th International Conference on Innovations in Computer Science and Engineering, ICICSE-2020-Virtual Conference, Guru Nanak University, Hyderabad, during 28-29 August 2020.
12. N. Sankarachelliah, V. Rijith Kumar, P. Senthilram, **S. Valai Ganesh**, T. Selva Sundar, S. Godwin Barnabas and S. Rajakarunakaran, "Development of Self Governed Flashing System in Automotive using AI Technique" in 8th International Conference on Innovations in Computer Science and Engineering, ICICSE-2020-Virtual Conference, Guru Nanak University, Hyderabad, during 28-29 August 2020.
13. Godwin Barnabas S, **Valai Ganesh S**, Selva Sundar T, Promod Muthuram R, Senthilram P, "Conversion of Waste Rubber Tyre into Composite Material", National Web Conference on Challenges and Innovation in Engineering and Technology - 2021, Ramco Institute of Technology, Rajapalayam
14. **Valai Ganesh S**, Selva Sundar T, Manoj S, Raj S, "Error Analysis in Robotic ARM" National Web Conference on Challenges and Innovation in Engineering and Technology - 2021, Ramco Institute of Technology, Rajapalayam
15. **Valai Ganesh S**, Selva Sundar T, Dinesh R, Shyam Sundar R, Godwin Barnabas S, "Automatic Aerial Tabloid Callous Machine" National Web Conference on Challenges and Innovation in Engineering and Technology - 2021, Ramco Institute of Technology, Rajapalayam
16. **Valai Ganesh S**, S. Rajakarunakaran, Godwin Barnabas.S, "Sensors, monitoring devices role in providing the physio treatment for the stroke patients" Virtual International Conference on Recent Advancements in Mechanical Engineering (ICRAME 2021) organized by Department of Mechanical Engineering, Francis Xavier Engineering College, Tirunelveli held on 31st March 2021.
17. S. Godwin Barnabas, S. Rajakarunakaran, **S. Valai Ganesh**, T. Selva Sundar, S. V. Vignesh presented a paper titled "Benefits in implementing kaizen concept in textile industry" in the Virtual International Conference on Recent Advancements in Mechanical Engineering (ICRAME 2021) organized by Department of Mechanical Engineering, Francis Xavier Engineering College, Tirunelveli held on 31 Mar., 2021.
18. S. Godwin Barnabas, V. Sivakumar, **S. Valai Ganesh**, S. Rajakarunakaran, T. Selva Sundar, Presented a paper entitled as "Application of pedagogy tools and learning management system in higher education-case study" in International Virtual Conference on Interdisciplinary Approaches to Education Research and Language Teaching organised by Kumaraguru College of Technology, Coimbatore during 25-26 Aug., 2021
19. **S. Valai Ganesh**, S. Rajakarunakaran, T. Selva Sundar, S. Godwin Barnabas presented a paper titled as "Automatic Latching of Door by Sensing Physiognomic Data using Deep Face Recognition Techniques" in 35th National Convention of Production Engineers and National

- Conference on Emerging Technologies for Sustainable Manufacturing organised by IE(I) Durgapur Local Center on 31 Oct., 2021
20. **S. Valai Ganesh** presented a paper titled as “Augmentation Studies on Manipulators in Solid Waste Management with Deep Learning based Machine Vision System” during Doctoral Symposium organised by Machine Intelligence Research Labs, United States of America on 17 Dec., 2021.
 21. **S. Valai Ganesh**, T. Selva Sundar, S. Godwin Barnabas, R. Dinesh, S. Rajakarunakaran, V. Suresh presented a paper titled as “Building Smart Bot Design For Library Assistance” in the International Conference on Smart Technologies and Applications-2022 (ICSTA 2022) organized by Ramco Institute of Technology during 11-12 Mar., 2022
 22. **S. Valai Ganesh**, V. Suresh, S. Godwin Barnabas, S. Rajakarunakaran presented a paper titled as “Vital Role of Recent Technologies in Sorting Different Solid Waste Materials in Recycling Process” in the International Conference on Smart Technologies and Applications-2022 (ICSTA 2022) organized by Ramco Institute of Technology during 11-12 Mar., 2022
 23. S. Godwin Barnabas, S. Sridharan, G. R. Ragul, **S. Valai Ganesh**, S. Rajakarunakaran presented a paper titled as “A Review on Implementation of Kanban System in Various Process Industries” in the International Conference on Smart Technologies and Applications-2022 (ICSTA 2022) organized by Ramco Institute of Technology during 11-12 Mar., 2022
 24. **S. Valai Ganesh**, T. Selvasundar, M. Sivagaminathan, S. Godwin Barnabas, P.R. Vijay Jaganath, M. Bharath presented a paper titled as “Smart Farm monitoring systems using IoT” in the Fourth International Conference on Advances in Industrial Engineering Applications (ICAIEA 2022) organized by College of Engineering, Guindy, during 02-04 June, 2022
 25. **S. Valai Ganesh**, V. Suresh, S. Godwin Barnabas, S. Rajakarunakaran, M. Vigneshkumar, T. Samrath presented a paper titled as “Solid Waste Prediction in Metro City using Machine Learning Models” in the Fourth International Conference on Advances in Industrial Engineering Applications (ICAIEA 2022) organized by College of Engineering, Guindy, during 02-04 June, 2022
 26. M. Aravind, **S. Valai Ganesh**, S. Rajakarunakaran, R. Dinesh, R. Shyam Sundar presented a paper titled “Digitization of Agro Forest” in International Conference on Contemporary Research Advancements in Mechanical Engineering -ICCRAME 2023, Ramco Institute of Technology, during 24 -25 March 2023.
 27. Soumya Souvik Khuntia, S. Jehaveerapandiyam, **S. Valai Ganesh**, T. Selvasundar, S. Rajakarunakaran, presented a paper titled “Trashbot Filling Alert System for Smart Cities” in International Conference on Contemporary Research Advancements in Mechanical Engineering -ICCRAME 2023, Ramco Institute of Technology, during 24 -25 March 2023.
 28. S. Jehaveerapandian, Soumya Souvik Khuntia, **S. Valai Ganesh** Presented a paper on “Solid Waste Segregation using a Serial Manipulator with Regression Analysis” in National Conference on Innovations in Computing Technologies, organised by Anna University Regional Campus, Coimbatore on 22 May, 2023
 29. R. Dinesh, P. R. Vijay Jaganath, R. Shyam Sundar, **S. Valai Ganesh** Presented a paper on “Solid Waste Segregation using Manipulator with Jetson Nano” in National Conference on Innovations in Computing Technologies, organised by Anna University Regional Campus, Coimbatore on 22 May, 2023.
 30. **S. Valai Ganesh**, M. Sivakumar, R. Gobinath, S. Dhakshana Moorthi presented a paper titled “E-Waste Management in Academic Institution” in the National Conference on Emerging Trends in Engineering and Technology held at Mangayarkarasi College of Engineering, Madurai during 26-27 Apr., 2024.
 31. **S. Valai Ganesh**, V. Suresh, S. Rajakarunakaran, V. Suryakumar presented a paper “E-Waste Management in Academic Institute: Prospects and Challenges” organised by the 39th National Convention of Mechanical Engineers and National Seminar on Innovations in Mechanical Engineering, Sustainable Manufacturing Technologies, Design, and Energy Systems (IMESMTDES-2024) during 13-14 Sep., 2024 in Chandigarh

32. **S. Valai Ganesh**, L. Saravnakumar, V. Suryakumar, S. Rajakarunakaran, presented a paper on “Smart Waste Segregation System for Enhanced Municipal Waste Management- A Circular Economy Approach” in 2nd Global Conference on Decarbonizing India organized by National Institute of Technology Calicut on 08 Mar., 2025.
33. **S. Valai Ganesh**, F. Mohamed Arsath, M. Aathithyan, presented a paper on “IoT enabled Autonomous Self-Sustaining System for Biowaste Conversion” in the 3rd International Conference on Advanced Material Processing and Sustainable Energy (AMPSE 2k25) organised by the Nadar Saraswathi College of Engineering and Technology on 30 Apr., 2025.
34. **S. Valai Ganesh**, L. Saravnakumar, V. Suryakumar, S. Rajakarunakaran, V. Suresh presented a paper on “Development of Automated Household Waste Segregation Bin” in Thirty-ninth National Convention of Production Engineers, National Seminar on Recent Advancements and Challenges on the Fabrication of Semiconductor Chips in India, IEI Madurai Local Center on 23 May, 2025.
35. J. Jerold John Britto, S. Rajakarunakaran, **S. Valai Ganesh** presented a paper on “Assessment of Higher-Order and Critical Thinking Skills in Mini and Capstone Projects: A CDIO and OBE-Aligned Framework in Undergraduate Mechanical Engineering Education” in Thirteenth International Conference on Transformations in Engineering Education organized by the IUCEE in association with GITAM (Deemed to be University), Bengaluru during 07-09 Jan., 2026.

4.3 Book/Book chapter publications

1. S. Maharajan, F. Michael Thomas Rex, **S. Valai Ganesh** (2025) “Optimization of Plasma Spray Coatings Using the Taguchi Method and Machine Learning”, in Fabrication of Wear and Corrosion Resistant Materials, Taylor & Francis Group, <https://doi.org/10.1201/9781003546528-14>
2. **S. Valai Ganesh**, M. Gomathy Nayagam, V. Suresh, S. Rajakarunakaran, B. Bensujin (2025) “Adaptive Learning Technologies: Navigating the Road from Hype to Reality”, in Multimodal Generative AI, Springer, https://doi.org/10.1007/978-981-96-2355-6_4
3. **S. Valai Ganesh**, V. Suresh, S. Rajakarunakaran, L. Ganesan, V. Suryakumar (2025) “Transforming Student Assessments in the Era of Machine Learning: Balancing Innovation and Ethics”, in Driving Quality Education Through AI and Data Science, IGI Global Scientific Publishing, <https://doi.org/10.4018/979-8-3693-8292-9.ch017>
4. **S. Valai Ganesh**, V. Suresh, S. Godwin Barnabas, and S. Rajakarunakaran (2025) “Advancements in mechatronic systems for manufacturing, robotics, and automation Yaskawa Motoman GPI2 robot applications”, in Mechatronics Concepts, Tools, Applications, and New Trends, Taylor & Francis Group, <https://doi.org/10.1201/9781003494478>.
5. V. Suryakumar, **S. Valai Ganesh**, S. Rajakarunakaran (2025), “Integrating Advanced Technologies in Mechanical Engineering Education: A Path to Industry 4.0” in IEI Student Journal, Volume 3, Issue 1, Page No. 101-105.
6. **S. Valai Ganesh**, V. Suresh, S. Godwin Barnabas, and S. Rajakarunakaran (2023) “Building Smart Bot Design for Library Assistance”, in Robotics and Automation in Healthcare Advanced Applications, Hard ISBN: 9781774915486, 2023.
7. N. Sankarachelliah, V. Rijith Kumar, P. Senthilram, **S. Valai Ganesh**, T. Selva Sundar, S. Godwin Barnabas, and S. Rajakarunakaran (2021) “Development of Self Governed Flashing System in Automotives Using AI Technique” in Innovations in Computer Science and Engineering Proceedings of 8th ICICSE, Springer, Lecture Notes in Networks and Systems Volume 171, Page number 327-333.

8. **S. Valai Ganesh**, Mohit Agarwal, Suneet Kr. Gupta, and S. Rajakarunakaran (2021) “Static and Dynamic Activities Prediction of Human Using Machine and Deep Learning Models” in Innovations in Computer Science and Engineering Proceedings of 8th ICICSE, Springer, Lecture Notes in Networks and Systems Volume 171, Page number 1-8.
9. **S. Valai Ganesh**, S. Rajakarunakaran, R. Manoj Kumar, N. Gokul Prasath (2021) “Design of Vertical Axis Wind Mill with Shrinkage of Blades” in third Annual Technical Volume of Electronics and Telecommunication Engineering Division on the theme “Intelligent Systems and Green Technology” Page Number 52-56.
10. **S. Valai Ganesh**, T. Selva Sundar, S. Rajakarunakaran (2019) “Dual Transmission Systems” Published at Amazon Kindle Platform.

5 Funded Projects

S.No.	Title of the project	Funding Agency	Duration	Amount	Status
1	Development of Smart Humanoid Flexo Grab	Institution of Engineers India	6 Months (2018-2019)	Rs.20,000	Completed
2	Tree Measurement using LIDAR with Built-in Navigation System	Tamil Nadu State Council for Science and Technology	9 Months (2023)	Rs.7,500	Completed
3	Development of Voice Assisted Robot for Forecasting Solid Waste Generation in Smart Cities using Jetson Nano	Institution of Engineers India	9 Months (2023-2024)	Rs.32,000	Completed
4	RES-SAC-2023-020: Prediction of market arrival & price through statistical and AI/ML approaches	ISRO Center: U R Rao Satellite Centre (URSC), Bengaluru	2 Years (2024-2026)	---	Waiting for Result

6 Ph.D. guidance

Sl.No	Scholar name	University	Topic	Status
Nil	Nil	Nil	Nil	Nil

7 Short term Courses / Seminars /FDP/Workshop/ConferenceAttended:

Sl.No	Title of the event	Organized by	Date	
			From	To
1.	Intensive Training on CNC Machine	Ramco Institute of Technology	26.05.2015	30.05.2015
2.	NI Lab view software and hardware	Ramco Institute of Technology	15.06.2015	19.06.2015
3.	ABAQUS FEA Workshop	Mepco Schlenk Engineering College	19.09.2015	19.09.2015
4.	ICTACT- FDP on International Certificate program on Autodesk Auto CAD 2015	Ramco Institute of Technology	12.10.2015	16.10.2015
5.	ICTACT- FDP on Digital Prototyping using Autodesk Inventor 2016	St. Xavier's Catholic College of Engineering	23.11.2015	27.11.2015
6.	LaTeX- A Document Markup Language	Kalasalingam University	07.01.2016	08.01.2016
7.	CATIA V6 Training Programme	Ramco Institute of Technology	04.05.2016	13.05.2016
8.	Short Term Training Program on Learning and Teaching Robotics: Theory and Practice	IIITDM Kancheepuram	20.06.2016	25.06.2016
9.	National Finite Element Developers/ FEAST Users Meet	VSSC Trivandrum	12.12.2016	12.12.2016
10.	FDTP on ME6401 Kinematics of Machinery	Sri Sairam Institute of Technology	15.12.2016	22.12.2016
11.	Seven days FDP on ME6702 Mechatronics	Madras Institute of Technology	15.05.2017	22.05.2017
12.	Industrial Visit at FESTO India, Bengaluru	FESTO India, Bengaluru	26.05.2017	28.05.2017
13.	Two-day SAE India KRT Trek	Kongu Engineering College	02.09.2017	03.09.2017
14.	5th Indo- German Workshop on Sustainable Engineering – Skilling & Shaping India towards Smart Manufacturing – “Industry 4.0”	FESTO India, Bengaluru	12.09.2017	12.09.2017
15.	Faculty Development Program on "8051 Microcontroller and its applications"	National Institute of Technical Teachers Training and Research, Chennai	14.05.2018	18.05.2018

Sl.No	Title of the event	Organized by	Date	
			From	To
16.	Training Programme on Siemens S7-400 PLC Programming TIA Portal Level-II	Advanced Training Institute, Chennai	28.05.2018	01.06.2018
17.	Faculty Industrial Visit- Vridhimaritime Private Limited, Chennai	Vridhimaritime Private Limited, Chennai	13.06.2018	15.06.2018
18.	Workshop on AI and Deep Learning	Saingits College of Engineering and Bennett University, Noida	25.06.2018	27.06.2018
19.	FDP on “Product Design Engineering using FUSION 360”	Ramco Institute of Technology	27.08.2018	31.08.2018
20.	Workshop on Industry 4.0 & Smart Manufacturing Strategies	Dr.NGP Institute of Technology, Coimbatore	11.09.2018	11.09.2018
21.	Workshop on IIT Bombay “e-Yantra Lab Setup Initiative (eLSI)”	CMR Institute of Technology, Bengaluru	05.10.2018	06.10.2018
22.	Program on “Digit @ All Sangamam Confluence of Technology & consumer”	Tamil Nadu Chamber of Commerce & Industry, Madurai	13.10.2018	13.10.2018
23.	NX CAD Training Program	Ramco Institute of Technology	08.11.2018	17.11.2018
24.	TEQIP III Sponsored One-week Short Term Course on “Machine Learning Techniques in Modern Manufacturing”	Thiagarajar College of Engineering, Madurai	10.12.2018	16.10.2018
25.	Faculty Industrial Visit- SVP Laser Technologies, Chennai	SVP Laser Technologies, Chennai	03.05.2019	04.05.2019
26.	Training Programme on Application of Pneumatics and Electron Pneumatics Control System	Advanced Training Institute, Chennai	06.05.2019	10.05.2019
27.	Hands on Training in Design of Robots and its Applications	Mepco Schlenk Engineering College, Sivakasi	16.05.2019	18.05.2019
28.	Wiper 850 6-axis Robot Training	PACR Polytechnic College	03.10.2019	04.10.2019
29.	Two-day Workshop on “Automation Technology in Manufacturing “	Indian Machine Tools Manufacturing Association	23.10.2019	24.10.2019
30.	Faculty Sabbatical – AI and Deep Learning	Bennett University Noida	10.11.2019	10.12.2019

Sl.No	Title of the event	Organized by	Date	
			From	To
31.	one-week ATAL sponsored FDP on “Artificial Intelligence”	Indian Institute of Information Technology, Nagpur	13.04.2020	17.04.2020
32.	Webinar on “Introduction to Primavera”	Skifi Labs, Bengaluru	28.03.2020	28.03.2020
33.	Webinar on “Mobile App Development using Flutter”	Skifi Labs, Bengaluru	10.04.2020	10.04.2020
34.	Webinar on “Industry 4.0 – Curtain Raiser”	Shapemind Technonserve in association with CIT – Teaching Learning Center, Coimbatore	24.04.2020	24.04.2020
35.	Webinar on “Teaching in Digital Era”	TCS Web ion	25.04.2020	25.04.2020
36.	Webinar on “Industrial Automation”	MSME TDC PPDC Agra	26.04.2020	26.04.2020
37.	One-week FDP on “Python 3.4.3”	Padmabhooshan Vasantrodada Patil Institute of Technology, Budhgaon in association with IIT Bombay Spoken Tutorial	26.04.2020	02.05.2020
38.	One-week ATAL sponsored FDP on “Internet of Things”	University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra	27.04.2020	01.05.2020
39.	One-week FDP on “LaTeX”	Pravara Rural Engineering College, Loni in association with IIT Bombay Spoken Tutorial	29.04.2020	04.05.2020
40.	Webinar on “How to Teach Electrotechnics Remotely with LVSIM-EMS”	FESTO Germany	30.04.2020	30.04.2020
41.	Webinar series on “ANSYS”	AICTE ANSYS series	05.05.2020	11.05.2020
42.	Webinar on “NAAC and Accreditation process for affiliated/constituent colleges”	NAAC Bangalore	08.05.2020	08.05.2020

Updated as on 01.04.2026

Sl.No	Title of the event	Organized by	Date	
			From	To
43.	Webinar on "Process Control using LVSIM"	FESTO Germany	13.05.2020	13.05.2020
44.	Webinar on "Learn more about Water Technology"	C.V Raman Global University, Odisha	18.05.2020	18.05.2020
45.	Webinar on "Process Control using LVSIM Part-II"	FESTO Germany	18.05.2020	18.05.2020
46.	Webinar on "Advanced Manufacturing Practices- Robot for Industry 4.0"	IEI-KLC, IIC cell Sri Sairam Institute of Technology, Chennai	20.05.2020	20.05.2020
47.	Five days FDP on "Deep Neural Networks with Expert Systems"	PSR Engineering College, Sivakasi	25.05.2020	29.05.2020
48.	Short term webinar cum online training on "Intelligent Robotics and Machine Vision Technology in current scenario"	Sri Sairam Institute of Technology, Chennai	25.05.2020	29.05.2020
49.	Webinar on "Impact of AI during Pandemic Times"	McGraw Hill	04.06.2020	04.06.2020
50.	Webinar on "Role of Marketing in times of Pandemic"	McGraw Hill	12.06.2020	12.06.2020
51.	Webinar on "Future of Education post Covid"	McGraw Hill	18.06.2020	18.06.2020
52.	Orientation session on "Virtual PLC & Robotics"	Festo India, Bengaluru	26.06.2020	26.06.2020
53.	FDP on "Deep Learning Algorithms & Its Applications: Theory to Practice"	Sasi Institute of Technology & Engineering, Andhra Pradesh	06.07.2020	10.07.2020
54.	Webinar on "Evolution of Java"	McGraw Hill	07.07.2020	07.07.2020
55.	Workshop on "Internet of Things"	GNA University, Punjab	09.07.2020	11.07.2020
56.	Webinar on "Digitization in Automation"	Capital Goods Skill Council	14.07.2020	14.07.2020
57.	Webinar on "Learn How To: Upskill CNC Machining Techniques"	HAAS Automation	15.07.2020	15.07.2020

Sl.No	Title of the event	Organized by	Date	
			From	To
58.	Virtual visit on “FESTO Virtual Exhibition”	FESTO Germany	15.07.2020	16.07.2020
59.	Webinar on “Online teaching tips and tools”	Bennett University, Greater Noida	17.07.2020	17.07.2020
60.	Webinar on “Essentials for Setting-up an AI/DL lab”	Bennett University, Greater Noida	18.07.2020	18.07.2020
61.	webinar on “Microsoft Azure Cloud Technology”	Mahatma Gandhi Institute of Technology, Hyderabad	18.07.2020	18.07.2020
62.	FDP on "Effective Teaching Pedagogy"	Inderprastha Engineering College, Ghaziabad	20.07.2020	22.07.2020
63.	Webinar on “Introduction to STATCRAFT”	Starcraft, Bengaluru	20.07.2020	20.07.2020
64.	Webinar on “IoT Based Hydroponics Farming”	C Byregowda Institute of Technology, Kolar	22.07.2020	22.07.2020
65.	Webinar on “Robotics - Connecting Engineering Minds”	McGraw Hill	22.07.2020	22.07.2020
66.	Webinar on “Design and developmental stages in automotive sector”	SNS College of Technology, Coimbatore	23.07.2020	23.07.2020
67.	Webinar on “Robot Operating System”	Cambridge Institute of Technology, Bengaluru	23.07.2020	23.07.2020
68.	Webinar on "Hands of training: Virtual laboratory”	Ramco Institute of Technology, Rajapalayam	23.07.2020	23.07.2020
69.	workshop on "Aligning Yourself to the Publishing Process"	ELSEVIER	23.07.2020	24.07.2020
70.	International webinar series on "Design of Hybrid Intelligent Systems based on General Type-2 Fuzzy"	Machine Intelligence Research Labs, USA	24.07.2020	24.07.2020

Sl.No	Title of the event	Organized by	Date	
			From	To
71.	Webinar series on "Challenges, Issues, Designing and Grid Management for Grid Connected Solar/Wind Energy Systems"	University Visvesvaraya College of Engineering, Bangalore University, Bengaluru	23.07.2020	27.07.2020
72.	FDP on "Role of Faculty in Challenging Situation"	Ramco Institute of Technology, Rajapalayam	26.07.2020	26.07.2020
73.	Webinar on "A Practical approach on Industry 4.0 & its implementation in smart Factories"	Mahatma Gandhi Institute of Technology, Hyderabad	26.07.2020	26.07.2020
74.	Webinar on "AI and Data Science Curriculum Design"	Bennett University, Greater Noida	27.07.2020	27.07.2020
75.	International webinar series on "An Overview of Machine Learning Based Intelligent Computing and Applications"	Machine Intelligence Research Labs, USA	27.07.2020	27.07.2020
76.	Webinar on "PLC and it's Applications for Industrial Automation"	Bangalore University, Bangalore	29.07.2020	29.07.2020
77.	Webinar on "Future scope and Applications of Artificial Intelligence"	Hindusthan Institute of Technology, Coimbatore	30.07.2020	30.07.2020
78.	Webinar on "Unsupervised Learning with K-Means Clustering"	CMR Engineering College in association with Pantech Solutions	04.08.2020	04.08.2020
79.	Webinar on "Augmented Reality and Its Applications"	McGraw Hill	05.08.2020	05.08.2020
80.	Webinar on "Insights into Nano Technology"	Dr. Ambedkar Institute of Technology, Bengaluru	06.08.2020	06.08.2020
81.	Webinar on "Space Debris Management"	Team 2020 Community	07.08.2020	07.08.2020
82.	Webinar on "Challenges and Opportunities for Engineers in Electric Vehicle Design and Development"	JAIN (Deemed-to-be University), Karnataka	07.08.2020	07.08.2020

Sl.No	Title of the event	Organized by	Date	
			From	To
83.	Webinar on "NEW NORMAL-Industry-Ready Skills for the Youth"	St.Joseph's Institute of Technology, Chennai	12.08.2020	12.08.2020
84.	Webinar on "talk of Vikram Sarabhai Centenary Talks"	Team 2020 Community	12.08.2020	12.08.2020
85.	Webinar on " Impact of COVID-19 Pandemic on Women"	Dr. Ambedkar Institute of Technology, Bengaluru	14.08.2020	14.08.2020
86.	Webinar on " Design of Solar PV Power Plants Basics & Practical Approach"	The Oxford College of Engineering, Bengaluru	14.08.2020	14.08.2020
87.	Webinar on "Xilinx FPGA Design Flow"	Dr. Ambedkar Institute of Technology, Bengaluru	19.08.2020	19.08.2020
88.	Workshop on "Effective and Efficient Writing of Research Papers for Web of Science, Scopus Indexed Journal and Conference Papers Using Typeset Research"	RIT Research Council association with Nexus International company	29.08.2020	29.08.2020
89.	Webinar on "Introduction to Amazon Web Services"	Jain Deemed to be University, Bengaluru	05.09.2020	05.09.2020
90.	Webinar on "Micro Gravity the Science of Creating Artificial Space Environment and its Applications"	Team 2020 Community	06.09.2020	06.09.2020
91.	ATAL FDP on "ROBOTICS & IR 4.0"	Adi Shankara Institute of Engineering and Technology, Kalady	07.09.2020	11.09.2020
92.	Webinar on "Effect of AI in IoT"	Nehru Institute of Engineering and Technology, Coimbatore	07.09.2020	07.09.2020
93.	Webinar on "Overview of Digital Image Processing"	McGraw Hill	11.09.2020	11.09.2020
94.	Workshop on "IoT Boot Camp"	Turnip Innovations	11.09.2020	12.09.2020

Updated as on 01.04.2026

Sl.No	Title of the event	Organized by	Date	
			From	To
95.	Webinar on "Publishing Ethics in Biomedicine & Life sciences Research"	Springer Nature in collaboration with DeLCON	16.09.2020	16.09.2020
96.	Webinar on "Changing Role of MIS in Post Pandemic World"	McGraw Hill	18.09.2020	18.09.2020
97.	Webinar on "Blockchain and IoT"	Nehru Institute of Engineering and Technology, Coimbatore	21.09.2020	21.09.2020
98.	FDP on "Automation Studio Software"	India Soft Technologies Private Limited	25.09.2020	25.09.2020
99.	Webinar on "Destination MARS"	Team 2020 Community	05.10.2020	05.10.2020
100.	Webinar on "TNSDC & Siemens Center of Excellence & t-SDIs"	Tamil Nadu Skill Development Center	09.10.2020	09.10.2020
101.	Online Digital Conclave on "Convergence of Science, Technology & Humanities: A Roadmap for Future Development"	I.T.S - Institute of Technology & Science, Ghaziabad	17.10.2020	17.10.2020
102.	Webinar on "Computer Mediated Business Communication"	McGraw Hill	22.10.2020	22.10.2020
103.	ATAL FDP on "AR & VR"	C. V. Raman Global University, Bhubaneswar	02.11.2020	06.11.2020
104.	Training program on "PLC Programming"	PACR Polytechnic College, Rajapalayam	16.11.2020	20.11.2020
105.	Workshop on "Copyrights in India"	Turnip Innovations, Mumbai	20.11.2020	20.11.2020
106.	Webinar on "Define your career in Cyber Security like pro"	GUVI, Chennai	21.11.2020	21.11.2020
107.	Training program on "Siemens Simocode PLC"	PACR Polytechnic College, Rajapalayam	25.11.2020	26.11.2020
108.	Webinar on "The Rise of Intangibles....What the Balance Sheets"	McGraw Hill	03.12.2020	03.12.2020

Sl.No	Title of the event	Organized by	Date	
			From	To
109.	Faculty & Student development program on “New technologies - Blockchain, AI and Information security”	IIT PALS	07.12.2020	09.12.2020
110.	Webinar on “Why Python is Great for Machine Learning”	McGraw Hill	29.12.2020	29.12.2020
111.	Webinar on “Automation Studio-PLC Programming”	Famic Technologies, Pune	12.01.2021	12.01.2021
112.	Webinar on “Multicarrier and MIMO for 4G and 5G”	Dr. Ambedkar Institute of Technology, Bengaluru	05.02.2021	05.02.2021
113.	Webinar on “ICTIEE 2021 Papers: Application of Failure Modes and Effects Analysis/ Enriched Blended Learning Through Virtual Experience”	The vision of Indo Universal Collaboration for Engineering Education (IUCEE)	11.02.2021	11.02.2021
114.	Workshop on “ARM BASED HPC”	C-DAC and the NSM Nodal Centres for Training in HPC and AI at IITs Goa, Kharagpur, Madras, Palakkad	02.03.2021	03.03.2021
115.	Webinar on “Implementation of National Educational Policy-2020”	Ramco Institute of Technology, Rajapalayam	24.03.2021	24.03.2021
116.	Webinar on “Introduction to Machine Learning and Deep Learning”	Mathworks	25.03.2021	25.03.2021
117.	Webinar on “ICTIEE 2021 Papers: Digital Pedagogy Implementation In Engineering Using Smart Mobiles”	The vision of Indo Universal Collaboration for Engineering Education (IUCEE)	25.03.2021	25.03.2021
118.	Webinar on “Green Gold”	Ramco Institute of Technology, Rajapalayam	30.03.2021	30.03.2021
119.	Webinar on “Natural Language Processing using NLTK and deep learning models”	Dr. Ambedkar Institute of Technology, Bengaluru	16.04.2021	16.04.2021

Updated as on 01.04.2026

Sl.No	Title of the event	Organized by	Date	
			From	To
120.	Webinar on “Electro-Pneumatics, PLC Programming”	Janatics India, Mumbai	27.05.2021	28.05.2021
121.	Webinar on “Industry 4.0: Where the Battle Between Domain and Data Expertise is Won”	Automation.com, USA	28.05.2021	28.05.2021
122.	Webinar on “Journey as a Scientist of ISRO”	Teams 2020, Kolkata	29.05.2021	29.05.2021
123.	Three-day FDP on “Applications of Artificial Intelligence in Mechanical Engineering”	Dr.N.G.P Institute of Technology, Coimbatore	02.06.2021	04.06.2021
124.	Webinar on “How to Design & Develop Drones/Multicopters”	Annamalai University	15.06.2021	16.06.2021
125.	Webinar on “Complexity and Excitement of Aerospace Control”	Dr. Ambedkar Institute of Technology, Bengaluru	18.06.2021	18.06.2021
126.	Webinar on “IoT Architecture”	Nehru Institute of Engineering and Technology, Coimbatore	21.06.2021	21.06.2021
127.	Webinar on “”HAMARA TEJAS"- India's own 4th Gen Fighter”	Dr. Ambedkar Institute of Technology, Bengaluru	24.06.2021	24.06.2021
128.	Webinar on “Digitized Pneumatics”	Festo India, Bengaluru	06.07.2021	06.07.2021
129.	Webinar on “Microsoft Power BI”	Voksen Corporate Training	06.07.2021	06.07.2021
130.	Webinar on “MATLAB Portal Demo & Session on Introduction to MATLAB”	Mathworks	15.07.2021	15.07.2021
131.	AICTE-ATAL FDP on “Virtual and Augmented Reality for Robotics”	Vimal Jyothi Engineering College, Kerala	12.07.2021	16.07.2021
132.	AICTE-ATAL FDP on “Manufacturing Application of Automation & Robotics”	Graphic Era(Deemed to be) University, Dehradun	26.07.2021	30.07.2021

Sl.No	Title of the event	Organized by	Date	
			From	To
133.	Webinar on “Understanding Digital Transformation”	IFEES GEDC, IUCEE	28.07.2021	28.07.2021
134.	Webinar on “Virtual Academy: AI in Engineering Education”	IUCEE	30.07.2021	30.07.2021
135.	Webinar on “Introduction to MATLAB”	Mathworks	17.08.2021	17.08.2021
136.	Webinar on “IoT Communication Protocols”	Nehru Institute of Engineering and Technology, Coimbatore	15.09.2021	15.09.2021
137.	AICTE-ATAL FDP on “Data Analytics and Machine Learning ”	Central University of Jharkhand, Ranchi	20.09.2021	24.09.2021
138.	Webinar on “Advance Artificial Intelligence Techniques with MATLAB— applications and challenges in Industry 4.0”	DesignTech Systems Pvt. Ltd	25.09.2021	25.09.2021
139.	Webinar on “eYIC Tech Sprint Launching Session”	e-Yantra, IIT Bombay	20.08.2021	20.08.2021
140.	Webinar on “Providing mentorship to students in eYIC”	e-Yantra, IIT Bombay	13.11.2021	13.11.2021
141.	Webinar on “Building and Scaling Enterprise Grade Machine Learning Systems”	PALS Industry Speaks –Digital	16.11.2021	16.11.2021
142.	PALS FSDP on “Cyber Security & Privacy -AI And Cloud Database Systems by IBM Experts”	IIT PALS	09.12.2021	11.12.2021
143.	FDP on “UI PATH Robotic Process Automation Design & Development”	ICTACT in association with UIPath	13.12.2021	17.12.2021
144.	FDP on "Enabling the professional development of faculty on IR 4.0 Technology (AI/ML)"	Microsoft and SAP CSR Supported Techsakhsham through Edunet Foundation	24.01.2022	29.01.2022

Updated as on 01.04.2026

Sl.No	Title of the event	Organized by	Date	
			From	To
145.	Orientation meet on “About Indian Machine Tools Manufacturing Association”	IMTMA, Bengaluru	07.02.2022	07.02.2022
146.	Webinar on “Festo Automation Suite - Seamless connectivity with ProfiNET on Siemens PLC and Automation Suite software”	Festo India	22.02.2022	22.02.2022
147.	One-week program on “AICTE Incorporating Universal Human Values in Education”	AICTE	28.02.2022	04.03.2022
148.	Conference on “NVIDIA Global Technology- Careers in AI”	NVIDIA	21.03.2022	24.03.2022
149.	Webinar on “Episode-2 Practical Training through Simulation for Electrical and Electric Power Technology”	Festo India	04.05.2022	04.05.2022
150.	Webinar on “Designing & Managing the Supply Chain”	McGraw Hill	28.05.2022	28.05.2022
151.	Webinar on “Live on Digitised Pneumatics for Smart Production systems”	Festo India	07.06.2022	07.06.2022
152.	Training Program on Mechatronics- Level-I	Siemens	21.07.2022	30.07.2022
153.	Webinar on “Modern Digital Electronics”	McGraw Hill	22.07.2022	22.07.2022
154.	Webinar on “Episode-5 Live on Digitalisation, Connectivity & Communication”	Festo India	18.08.2022	18.08.2022
155.	Training program on “Robotics simulation for Manufacturing”	Naan Mudhalvan Scheme, Government of TamilNadu,	23.09.2022	23.09.2022
156.	Webinar on “Data Science and Machine Learning using Python”	McGraw Hill	30.09.2022	30.09.2022

Sl.No	Title of the event	Organized by	Date	
			From	To
157.	Logo for the “UNESCO - INDIA – AFRICA(UIA) Hackathon”	MoE’s Innovation Cell and AICTE	11.10.2022	11.10.2022
158.	8-week FDP program on "Introduction to Machine Learning'	IIT Kharagpur (NPTEL)	July 2022	Sep 2022
159.	Orientation program on “Translators and Reviewers in Tamil under AICTE Technical Book Writing Scheme”	Anna University, Chennai	20.01.2023	20.01.2023
160.	Webinar on “Mechatronics”	MTAB Automation	28.01.2023	28.01.2023
161.	Training program on “Robotic Process Automation”	UiPath in association with Naan Mudhalavan Scheme, Thiagarajar College of Engineering, Madurai	11.02.2023	12.02.2023
162.	Webinar on “Pneumatics”	Famic Technologies, Pune	11.05.2023	11.05.2023
163.	NPTEL-AICTE FDP on “Wheeled Mobile Robots”	IIT Madras	Jan 2023	April 2023
164.	Industrial visit "Rajapalayam Mills Limited"	RML Rajapalayam	25.05.2023	25.05.2023
165.	NPTEL-AICTE FDP on “Robotics”	IIT Kharagpur	July 2023	Sep 2023
166.	Industrial training in “Yaskawa India Private Limited, Bengaluru”	Yaskawa India Private Limited, Bengaluru	24.07.2023	26.07.2023
167.	4-day Residential training on “Construction and Demolition waste”	Center for Science and Environment at Anil Agarwal Environment Training Institute (AAETI), Rajasthan	17.10.2023	20.10.2023
168.	NPTEL-AICTE FDP on “Deep Learning”	IIT Kharagpur	July 2023	Oct 2023
169.	NPTEL-AICTE FDP on “Fundamentals of Artificial Intelligence”	IIT Guwahati	July 2023	Oct 2023

Updated as on 01.04.2026

Sl.No	Title of the event	Organized by	Date	
			From	To
170.	Workshop on “Power BI”	Skill Nation	02.12.2023	03.12.2023
171.	AICTE ATAL Faculty Development Program on “AI Evolution: From Foundations to Generative AI”	TechSaksham	11.12.2023	15.12.2023
172.	Workshop on Document Understanding Training Program	UiPath in Global Academy of Technology, Bengaluru	18.12.2023	20.12.2023
173.	Workshop on “PowerPoint using AI & ChatGPT”	Skill Nation	20.01.2024	20.01.2024
174.	Webinar on “Generative AI: Perspectives, Challenges and Opportunities”	The Bennett University	01.02.2024	01.02.2024
175.	Webinar on “Challenges in Robotics Research and Education”	IUCEE	20.03.2024	20.03.2024
176.	e-Yantra Symposium	IIT Bombay	05.04.2024	06.04.2024
177.	Special Meeting-IEI	IEI Madurai Chapter	29.04.2024	29.04.2024
178.	NPTEL-AICTE FDP on “Sensors and Actuators”	IISC Bangalore	Jan 2024	Apr 2024
179.	NPTEL-AICTE FDP on “Industrial Hydraulics and Automation”	IIT Kharagpur	Jan 2024	Apr 2024
180.	e-Yantra Teachers Robotics Competition	e-Yantra, IIT Bombay	July 2024	August 2024
181.	AICTE QIP PG Certification Program on “Robotics and 3D Printing”	IIT (ISM) Dhanbad	July 2024	December 2024
182.	AICTE FDP on “Python for Data Science”	IIT Madras	July 2024	September 2024
183.	AICTE FDP on “Automation in Manufacturing”	IIT Guwahati	July 2024	October 2024
184.	AICTE FDP on “Industrial Robotics: Theories for Implementation”	IIT (ISM) Dhanbad	July 2024	October 2024

Sl.No	Title of the event	Organized by	Date	
			From	To
185.	AICTE FDP on “Rapid Manufacturing”	IIT Kanpur	July 2024	October 2024
186.	visit in “OptimaHeat Technologies-Paramakudi”	OptimaHeat Technologies	08.07.2024	08.07.2024
187.	One-week Online Faculty Development Program on "Innovations in Robotics and UAVs: Digital Twins, Drone Design, and Future Trends"	VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad	30.07.2024	03.08.2024
188.	Technical Session on “Exploring Robotics Simulators: Comparative Insights on Gazebo, CoppeliaSim, and Webots”	e-Yantra, IIT Bombay	20.08.2024	20.08.2024
189.	21 st AGM Meeting at IE(I) Tuticorin Center	IE(I) Tuticorin Center	22.10.2024	22.10.2024
190.	Committee Meeting	Tuticorin Thermal Power Station Guest House	09.11.2024	09.11.2024
191.	AICTE ATAL FDP on “Exploring AI using IBM Watson and Google Colab”	Gurukula Kangri Deemed to be University, Haridwar	03.02.2025	08.02.2025
192.	NPTEL Felicitation Event	IIT Madras	09.02.2025	09.02.2025
193.	Committee Meeting	Tuticorin Local Center	19.02.2025	19.02.2025
194.	AICTE FDP on "Mechanics of Machining"	IIT Guwahati	January 2025	March 2025
195.	AICTE FDP on “Natural Language Processing”	IIT Kharagpur	January 2025	April 2025
196.	AICTE FDP on “Manufacturing Process Technology-I and II”	IIT Kanpur	January 2025	April 2025
197.	AICTE FDP on “Data Analytics with Python”	IIT Roorkee	January 2025	April 2025
198.	AICTE FDP on “Collaborative Robots (COBOTS): Theory and Practice”	IIT Dhanbad	February 2025	April 2025

Updated as on 01.04.2026

Sl.No	Title of the event	Organized by	Date	
			From	To
199.	FDP on “Multimodal Generative AI: Techniques, Applications, and Future Directions”	SCSET, Bennett University and E&ICT Academy, IIT Roorkee	12.05.2025	16.05.2025
200.	Conference Organisers Education Workshop	IEEE	05.07.2025	05.07.2025
201.	NPTEL Star Felicitation Event	IIT Madras	06.07.2025	06.07.2025
202.	Online Refresher Course on "Current Trends in Metal Additive Manufacturing”	Malaviya Mission Teacher Training Programme (MMTTP) in association with IIT(ISM) Dhanbad	07.07.2025	18.07.2025
203.	PDP on “Educational Video Creation”	RIT in association with NITTTR, Chennai	16.07.2025	21.07.2025
204.	Online quiz on “Beating the heat, one roof at a time”	Center for Science and Environment, New Delhi	09.09.2025	09.09.2025
205.	India Skills 2025 - Jury Workshop training and assessment- Robot System Integration	ASDC with Fanuc	11.10.2025	17.10.2025
206.	22 nd AGM	IE(I) Tuticorin Local Center	29.10.2025	29.10.2025
207.	NPTEL Stars Felicitation Event	IIT Madras	01.02.2026	01.02.2026
208.	DPR preparation meeting- MSWM	Ramco Community Services	10.02.2026	10.02.2026
209.	Discussion on IIT Madras Internship Project Discussion- Ford	IIT Madras	18.02.2026	18.02.2026

8. Short term Courses / Seminars /FDP/Workshop/Conference organized:

Sl.No	Title of the event	Organized by	Date	
			From	To
1	Tech YUGA -2015 Bucket Chute	RIT	28.08.2015	29.08.2015

Sl.No	Title of the event	Organized by	Date	
			From	To
2	Value Added Course - International certification programme on Digital Prototyping using Autodesk Inventor 2016	RIT and ICTACT	28.11.2015	05.12.2015
3	Value Added Course - International certification programme on AutoCAD 2015	RIT and ICTACT	07.12.2015	12.12.2015
4	TechYuga 2016 Department Coordinator	RIT	19.08.2016	20.08.2016
5	Festo Expotainer Workshop	RIT and FESTO	23.11.2016	23.11.2016
6	Value Added Course on Robotics and Automation	RIT	14.12.2016	17.12.2016
7	Value Added Course on CIROS Virtual Simulation Software	RIT	20.06.2017	21.06.2017
8	Workshop on ArduBotics	RIT and Innovians Technologies, Noida	28.07.2017	29.07.2017
9	TechYuga 2016 Robo Line Follower Event	RIT	12.08.2017	13.08.2017
10	Value Added Course on Robotics and Automation	RIT and FESTO	14.11.2017	17.11.2017
11	Awareness Program on Robotics and Automation	RIT ARC	14.03.2018	14.03.2018
12	TechYuga 2018 Automation and Robotics Club event Coordinator	RIT	31.08.2018	31.08.2018
13	Value Added Course on Autodesk Certified user in Inventor	RIT and ICTACT	17.12.2018	20.12.2018
14	Workshop-cum-Competition on Pneumatics and Automation	RIT	01.02.2019	02.02.2019
15	Robo Quiz and Robo Connexion event	RIT ARC	28.02.2019	28.02.2019
16	One week finishing school programme on Robot Making, Programming and Automation	RIT ARC	22.04.2019	26.04.2019

Updated as on 01.04.2026

Sl.No	Title of the event	Organized by	Date	
			From	To
17	Course on Mechatronics Skills 2020- Beginner Level-I course	RIT	11.06.2019	14.06.2019
18	Course on Robotics and IoT	RIT	24.06.2019	27.06.2019
19	TechYuga 2020 Automation and Robotics Club event coordinator	RIT	31.08.2019	31.08.2019
20	e-Yantra Robotics Competition	RIT with IIT Bombay	18.09.2019	02.10.2019
21	e-Yantra Ideas Competition	RIT with IIT Bombay	02.10.2019	22.02.2020
22	LaTeX Document Preparation Language	RIT ISTE	24.01.2020	25.01.2020
23	Three-day training program on “Programmable Logic Controllers Modules-I to III”	RIT ARC	31.03.2020	02.04.2020
24	Two-day training program on “CIROS Education software”	RIT ARC	05.04.2020	06.04.2020
25	Robotics School Quiz	RIT ARC	06.05.2020	15.05.2020
26	Webinar on "Artificial Intelligence for Beginners"	RIT ARC	15.07.2020	17.07.2020
27	Workshop on "Building Smart Automation Design"	RIT ARC	05.08.2020	07.08.2020
28	Online quiz on "Machine Design"	RIT IEI	17.08.2020	17.08.2020
29	Webinar on "Circuit Design using Tinkercad"	RIT ARC	27.09.2020	27.09.2020
30	Training on "Case Studies in Deep Learning- Hands-on Session Using Google Co-Lab"	RIT ARC	16.10.2020	17.10.2020
31	Hands-on-Session on “Programmable Logical Controllers”	TECHRITZ	05.03.2021	05.03.2021

Sl.No	Title of the event	Organized by	Date	
			From	To
32	Three-day training program on “Robo Design and Programming”	RIT ARC	07.06.2021	09.06.2021
33	Workshop on “Home Automation using IoT”	RIT ARC	20.06.2021	20.06.2021
34	Quiz on “Robotics”	RIT ARC	01.07.2021	10.07.2021
35	Competition on “TinkerCAD Programming”	RIT ARC	17.09.2021	17.09.2021
36	Webinar on “Building Chatbot Design Level-I”	RIT ARC	01.10.2021	01.10.2021
37	Workshop-cum-competition on “Robo Seguidor”	RIT ARC	20.10.2021	21.10.2021
38	Awareness Program on “India Skills-Mechatronics and Mobile Robotics”	RIT ARC	02.11.2021	02.11.2021
39	Microsoft and SAP CSR Supported Techsakhsham FDP on AI/ML through Edunet Foundation	RIT AI	24.01.2022	29.01.2022
40	Souvenir Committee Member ICSTA 2022	RIT	11.03.2022	12.03.2022
41	Souvenir Committee Member ISTE Student Convention 2022	RIT	26.03.2022	26.03.2022
42	Training program on “Mechatronics and Robot System Integration Skill”	RIT	23.09.2022	23.09.2022
43	Competition on “Robo Connexion”	RIT ARC	20.10.2022	20.10.2022
44	General Aptitude	RIT IEI	28.11.2022	28.11.2022
45	Brochure, Website, Certificate Design, Social Media Promotion for ICCRAME’23	RIT	March 2023	March 2023
46	Hands-on Training on “Robotics”	RIT ARC	23.02.2023	23.02.2023
47	Ten-day Hands-on Training on “DJI Mavic Drone”	RIT IEI	04.04.2023	13.04.2023

Updated as on 01.04.2026

Sl.No	Title of the event	Organized by	Date	
			From	To
48	Hands-on Training on "LaTeX-Document Preparation Language"	RIT IEI	06.04.2023	06.04.2023
49	5-day event on "Equipping Educators: Faculty Development Program on Emerging Technologies in Mechanical Engineering"	RIT	17.07.2023	21.07.2023
50	IEI Committee Meeting	IEI	19.08.2023	19.08.2023
51	Group Discussion	IEI	31.08.2023	31.08.2023
52	A seminar on "LaTeX Document Preparation Software "	IEI	09.09.2023	09.09.2023
53	one-day workshop-cum-hands on training on "Automation Level-I using Arduino"	ARC	18.10.2023	18.10.2023
54	Lecture on "Conservation Contribution of Solar System"	IEI	21.10.2023	21.10.2023
55	General Aptitude	IEI	20.11.2023	20.11.2023
56	Paper Presentation	IEI	27.11.2023	27.11.2023
57	Workshop on "Motoman GP12 Robot"	IEI	10.01.2024	11.01.2024
58	Technical Quiz	IEI	24.02.2024	24.02.2024
59	Poster Presentation-Waste Reduction techniques in college campus	IEI	07.03.2024	07.03.2024
60	Workshop on "Drones"	ARC	18.03.2024	20.03.2024
61	Webinar on "Automation in Machine Learning"	IEI	13.04.2024	13.04.2024
62	Invited talk on "Sensors and Instrumentation"	IEI	17.04.2024	17.04.2024

Sl.No	Title of the event	Organized by	Date	
			From	To
63	Short Term Course on “PLC and its Applications”	IEI	23.05.2024	25.05.2024
64	Committee Meeting	IEI	30.08.2024	30.08.2024
65	Canva Design Workshop	RIT Mechanizo	03.09.2024	03.09.2024
66	Paper presentation	IEI	10.09.2024	10.09.2024
67	Seminar on “Signal Conditioning Circuits”	IEI	12.09.2024	12.09.2024
68	Robo Arati	IEI	10.10.2024	10.10.2024
69	Group Discussion	IEI	19.10.2024	19.10.2024
70	Film Show	IEI	24.10.2024	24.10.2024
71	Online Aptitude Quiz	IEI	16.11.2024	18.11.2024
72	Model Showcase- Sensors and Actuators	IEI	19.11.2024	19.11.2024
73	Committee Meeting	IEI	11.03.2025	11.03.2025
74	Seminar on “Beamer Presentation using Overleaf- Series I”	IEI	12.03.2025	12.03.2025
75	Lecture on “Emerging Workplace Health & Safety Challenges: Robotics & Automation in High-Risk Work Environments”	IEI	14.03.2025	14.03.2025
76	Workshop on “Drones”	IEI	14.03.2025	14.03.2025
77	Committee Meeting for Corporate members	IEI	15.04.2025	15.04.2025
78	Seminar on “Beamer Presentation using Overleaf- Series II”	IEI	15.04.2025	15.04.2025
79	Lecture on “Report Preparation using Overleaf”	IEI	24.04.2025	24.04.2025
80	Project Demonstration	IEI	13.05.2025	13.05.2025
81	Poster Presentation	IEI	14.05.2025	15.05.2025

Sl.No	Title of the event	Organized by	Date	
			From	To
82	Training program for the “World Robot Olympiad (WRO) 2025 - Future Engineers Category”	ARC	02.07.2025	03.07.2025
83	Annual General Meeting	IEI	09.08.2025	09.08.2025
84	Corporate Committee Meeting	IEI	18.09.2025	18.09.2025
85	Committee Meeting	IEI	25.09.2025	25.09.2025
86	National level online quiz on “General Aptitude”	IEI	26.09.2025	28.09.2025
87	Robo Arati	IEI	30.09.2025	30.09.2025
88	Group Discussion	IEI	16.10.2025	16.10.2025
89	Training program on “Cobots”	IEI	09.01.2026	10.01.2026
90	Committee Meeting	IEI	27.01.2026	27.01.2026
91	Seminar on “Google Gemini”	IEI	29.01.2026	29.01.2026
92	Technical Quiz	IEI	01.02.2026	02.02.2026
93	2-day National Level Online Seminar on “Robotics and Internet of Things (IORT): The Smart Integration”	ARC	06.02.2026	07.02.2026
94	Workshop on PLC	IEI	16.03.2026	16.03.2026
95	Workshop on Robotics and Automation	IEI	27.03.2026	27.03.2026

9. Online Courses

Sl.No	Course title	University	Date
1	DAT206x: Analyzing and Visualizing Data with Excel	Microsoft	January 2016
2	004x: Fun with Prime Numbers: The Mysterious World of Mathematics	Kyoto UX	February 2016
3	Engineering Graphics	IIT Kharagpur, NPTEL	January-March 2016
4	Introduction to Engineering Mechanics	Georgia Institute of Technology	May 2016
5	Robotics: Aerial Robotics	University of Pennsylvania	August 2016
6	Engineering Economic Analysis	IIT Roorkee, NPTEL	July-September 2016

Updated as on 01.04.2026

Sl.No	Course title	University	Date
7	ECO.1x: Fundamentals of Microeconomics	Universidad Carlos III de Madrid	May 2017
8	Calculus 1A: Differentiation	MIT	September 2017
9	A Hands-on Introduction to Engineering Simulations	CornellX	December 2018
10	Calculus 1B: Integration	MIT	March 2018
11	Fundamentals of Fluid Power	University of Minnesota	July 2018-September 2018
12	Matlab Onramp	Mathworks	November 2018
13	Deep Learning Onramp	Mathworks	November 2018
14	Task Based Training in e-Yantra	IIT Bombay	November 2018-December 2018
15	Kinematics of Mechanisms and Machines	IIT Kharagpur, NPTEL	January 2019-March 2019
16	Essential Math for Machine Learning: R Edition	Microsoft	March 2019-April 2019
17	IoT through Arduino and Raspberry Pi	IIT Kanpur and ICT	March 2019-April 2019
18	Joy of Computing using Python	IIT Ropar, NPTEL	February 2019-April 2019
19	Calculus 1C: Coordinate Series and Infinite Systems	MIT	March 2019-May 2019
20	Computational Thinking for Modeling and Simulation	MIT	February 2019-April 2019
21	Deep Learning Fundamentals with Keras	IBM	April 2019
22	Robotics	IIT Kharagpur	July 2019-September 2019
23	Deep Learning with Python and PyTorch	IBM	August 2019
24	Introduction to Differential Equations	MIT	August 2019-December 2019
25	Programming for Everybody (Getting Started with Python)	MichiganX	September 2019- November 2019
26	LaTeX for Students, Engineers, and Scientists	IIT Bombay	October 2019-November 2019
27	Python for Data Sciences	IBM	November 2019
28	Deep Learning Fundamentals	IBM	November 2019
29	Image Classification with CNNs using Keras	Coursera Project Work	June 2020
30	Image Data Augmentation with Keras	Coursera Project Work	June 2020
31	Create your first Python Program	Coursera Project Work	June 2020
32	Linear Regression with NumPy and Python	Coursera Project Work	June 2020
33	Vector Calculus	The Hongkong University of Science and Technology	June 2020
34	Introduction to Virtual Reality	University of London	July 2020

Updated as on 01.04.2026

Sl.No	Course title	University	Date
		and Goldsmiths, Coursera	
35	Support Vector Machines with scikit-learn	Coursera Project Work	July 2020
36	Logisitic Regression with NumPy and Python	Coursera Project Work	July 2020
37	Simple Recurrent Neural Network with Keras	Coursera Project Work	July 2020
38	Facial Expression Recognition with Keras	Coursera Project Work	July 2020
39	AI Chatbots without programming	IBM, edX	July 2020
40	Machine Learning for all	University of London	July 2020
41	Basic Image Classification with TensorFlow	Coursera Project Work	July 2020
42	AI for Everyone: Master the Basics	IBM, edX	August 2020
43	Operations Research: an Active Learning Approach	Hong Kong Polytechnic University, edX	August 2020
44	Machine Learning with Python: A Practical Introduction	IBM, edX	August 2020
45	Online Teaching	IUCEE	July- September 2020
46	Transfer Functions and the Laplace Transform	MIT	September 2020
47	Disaster Management Informatics	e-Yantra	September-January 2021
48	Introduction to Artificial Intelligence	Simplilearn	July 2021
49	Fundamentals of Deep Learning	NVIDIA DLI	July 2021
50	Introduction to Programming with MATLAB	Vanderbilt University	September 2021
51	Differential Equations: 2x2 Systems	MIT	November 2021
52	Introduction to RPA and Automation	UIPath Academy	December 2021
53	Get Started with RPA Development	UIPath Academy	December 2021
54	A Day in the Life of an RPA Developer	UIPath Academy	December 2021
55	Email Automation with Studio	UIPath Academy	December 2021
56	Version Control Systems Integration in Studio	UIPath Academy	December 2021
57	PDF Automation in Studio	UIPath Academy	January 2022
58	Variables, Arguments, and Control Flow in Studio	UIPath Academy	January 2022
59	DataTables and Excel Automation with Studio	UIPath Academy	January 2022
60	Selectors in Studio	UIPath Academy	January 2022
61	Error and Exception Handling in Studio	UIPath Academy	February 2022

Sl.No	Course title	University	Date
62	RPA Testing with Studio Pro	UiPath Academy	February 2022
63	Introduction to Logging with Studio	UiPath Academy	February 2022
64	Data Manipulation in Studio	UiPath Academy	February 2022
65	UI Automation with Studio	UiPath Academy	February 2022
66	Project Organization in Studio	UiPath Academy	February 2022
67	Debugging in Studio	UiPath Academy	February 2022
68	Orchestrator for RPA Developers	UiPath Academy	February 2022
69	18.033x: Differential Equations: Linear Algebra and NxN Systems of Differential Equations	MITx, edX	March 2022
70	Natural Language Processing (NLP) and Text Mining Tutorial for Beginners	SimpliLearn	June 2022
71	Deep Learning Fundamentals	IBM	July 2022
72	Python 101 for Data Science	IBM	July 2022
73	Data Analysis with Python	IBM	July 2022
74	Data Visualization with Python	IBM	August 2022
75	Introduction to Machine Learning	IIT Kharagpur (NPTEL)	July- September 2022
76	Wheeled Mobile Robots	IIT Madras (NPTEL)	Jan- Apr 2023
77	Internet of Things	ISTE with BNY Mellon	Jan- Feb 2023
78	MOOC on “Embedded Systems and Robotics exclusively for eLSI colleges”	e-Yantra IIT Bombay	June-July 2023
79	Robotics	IIT Kharagpur (NPTEL)	July- September 2023
80	Deep Learning	IIT Kharagpur (NPTEL)	July- October 2023
81	Fundamentals of Artificial Intelligence	IIT Guwahati (NPTEL)	July- October 2023
82	Build a Document Understanding Automation in Studio	UiPath	December 2023- January 2024
83	Explore automation development with UiPath Studio	UiPath	January 2024
84	Document Understanding - ILT	UiPath	January 2024
85	Demystifying Environmental and Sustainability Data for Effective Communication in the 21st Century	Center for Science and Environment, New Delhi	31.01.2024- 15.02.2024
86	Differential Equations for Engineers	Coursera	Feb 2024- March 2024
87	Sensors and Actuators	IISC Bangalore (NPTEL)	Jan 2024- Apr 2024
88	Industrial Hydraulics and Automation	IIT Kharagpur (NPTEL)	Jan 2024- Apr 2024
89	Python for Data Science	IIT Madras (NPTEL)	July 2024- Sep., 2024

Updated as on 01.04.2026

Sl.No	Course title	University	Date
90	Automation in Manufacturing	IIT Guwahati (NPTEL)	July 2024- Oct., 2024
91	Industrial Robotics: Theories for Implementation	IIT(ISM) Dhanbad (NPTEL)	July 2024- Oct., 2024
92	Rapid Manufacturing	IIT Kanpur (NPTEL)	July 2024- Oct., 2024
93	Innovation and Entrepreneurship	e-Yantra IIT Bombay	Oct., 2024
94	Getting Started with Simumatik	Simumatik	Dec., 2024
95	Getting Started with ROS	e-Yantra IIT Bombay	Jan., 2025- Feb., 2025
96	Mechanics of Machining	IIT Guwahati (NPTEL)	Jan., 2025- Mar., 2025
97	Natural Language Processing	IIT Kharagpur (NPTEL)	Jan., 2025- Apr., 2025
98	Manufacturing Process Technology-I and II	IIT Kanpur (NPTEL)	Jan., 2025- Apr., 2025
99	Data Analytics with Python	IIT Roorkee (NPTEL)	Jan., 2025- Apr., 2025
100	Collaborative Robots (COBOTS): Theory and Practice	IIT Dhanbad (NPTEL)	Feb., 2025- Apr., 2025
101	Pneumatics and Electro-Pneumatics	Simumatik	May 2025
102	Manufacturing Systems and Technology I & II	IIT Kanpur (NPTEL)	July- Oct., 2025
103	Introduction to Machine Learning	IIT Madras (NPTEL)	July- Oct., 2025
104	Computer Vision	IIT Kharagpur (NPTEL)	July- Oct., 2025
105	Fundamentals of Additive Manufacturing Technologies	IIT Guwahati (NPTEL)	July- Oct., 2025
106	Manufacturing Guidelines For Product Design	IIT Roorkee (NPTEL)	Jan.,- Mar., 2026
107	Design Practice	IIT Kanpur (NPTEL)	Jan.,- Mar., 2026
108	Product Design and Manufacturing	IIT Kanpur (NPTEL)	Jan.,- Apr., 2026
109	Business Intelligence & Analytics	IIT Madras (NPTEL)	Jan.,- Apr., 2026

10. Industrial Certification Courses

Sl.No	Name of the Course	Offered by	Certification Number
1	AutoCAD	Autodesk	wBkcv-22A3
2	Inventor	Autodesk	w9D9a-HadA
3	Data Analysis using Python	IBM	51uqqtcp
4	Python for Data Science	IBM	N1Sb6AX3
5	Deep Learning Essentials	IBM	Q10iZJK3
6	Mechatronics Level-I	Siemens	1618116800001
7	Fundamentals of Deep Learning	NVIDIA DLI	72957c1eede44927ac1fe99ac39463b4
8	Getting Started with AI on Jetson Nano	NVIDIA DLI	7dcf2c15f6164992af4129884d927a74

Updated as on 01.04.2026

Sl.No	Name of the Course	Offered by	Certification Number
9	Automation Developer Associate	UiPath	003241

11. Projects Guided

Sl.No	Title of Thesis / Project	Name(s) of the Student(s)	Semester	Year	Outcome
1	Tamil Nadu App for Ration Shop (TARS)	S.Vaikundam K.Venkatesh G.Radhakrishnan M.Sathishkumar D.Ganapathi Subramanian	V	2015	1st Prize in District Level
2	Solar Cooker	R.Ajith Kumar M.Muthu Saravanan S.Binusam S.Lakshmanan B.Kishore Kumar	IV	2016	Science Day Project
3	Pendulum Pump	S.Manoj Kumar P.Mariswaran R.Kanagaraj P.Mohanraj N.V.Lakshmi Narayanan	IV	2016	Science Day Project
4	Crab Movement using Kinematic Links	D.SathishKumar M.Thavaguru M.Mohammed Faizel K.Mari Kannan Saravana Kumar M.Vairamuthu	IV	2016	Science Day Project
5	Dual Transmission Systems	K.Venkatesh B.Ram Kumar R.Ramesh	VI	2016	Finalist in ICTACT 2016 Innovation Award
6	All Direction Steering Mechanism	M.B.Vyas Narayana D.Ganeshram M.Muthu Surendar	VI	2016	Science Day Project
7	Design and Development of Pneumatic Articulated Robot for Palletizing Operations	R.Ramesh B.Ramkumar K.Venkatesh	VIII	2017	Journal Paper
8	Design and Fabrication of Anti Supply Hippo Intelligence Valve	S.Nirmal Kumar S.Padmasubash M.Paulraj M.Deivanayagam	VI	2017	Patent Granted
9	Design and fabrication of Plastic Picking Equipment	S.A.Ramsundar V.V.Parthasarathi N.Ramakrishnan M.Sathishkumar	VI	2017	Science Day Project
10	Humaniod Flexo Grab	S.Nirmal Kumar S.Padmasubash M.Paulraj	VIII	2018	Conference
11	Design & Fabrication of Synchronizing Garbage Sanitizer	T.Rahul T.Sushanth N.Thetchina Moorthy S.Yogesh Kumar	VI	2018	Science Day Project
12	Design and Fabrication of	M.Gobinath	VI	2018	Conference

Updated as on 01.04.2026

Sl.No	Title of Thesis / Project	Name(s) of the Student(s)	Semester	Year	Outcome
	Semi-Automatic Aerial Tabloid Callous Machine	S.Harish Kumar S.Mani Vignesh S.H.Mohamed Yusuff			
13	Optimization Technique in Desiccation Aquatic Craniate	M.Gobinath S.Harish Kumar S.Mani Vignesh S.H.Mohamed Yusuff	VIII	2019	Patent Granted
14	Design & Analysis of Concur Tint Partition Using PLC	T.Rahul T.Sushanth M.Varun Kumar S.Yogesh Kumar	VIII	2019	Conference
15	Development of Smart Humaniod Flexo Grab	T.Karthik@Siva V.Kannan N.Gokulakrishnan	VI	2019	Funded Project IEI
16	Vertical Axis Windmill with shrinkage of plates using Servomotor and IoT Applications	R.Manoj Kumar N.Gokul Prasath S.Kalaiprabhu S.Ganeshkumar	VI	2020	Book Chapter and e-Yantra Regional Finals Award
17	Design and Fabrication of SGF Self Governing Flasher	V. Rijith Kumar N.Sankarachelliah P. Senthilram	VI	2020	Book Chapter
18	Automatic Latching of Door by Sensing Physiognomic Data using Deep Face Recognition Techniques	T. Karthik@Siva M. S. R. Mohan Kumar D. Manimukilan K. Hariharan	VIII	2020	Conference
19	Experiment Study on Elimination of Tube Gap Defect in Honda Back Plate Assembly	P. Chidhu M. Ramasamy K. Vignesh G. Sankara Kannan	VIII	2020	Industrial
20	Building Smart Bot Design for Library Assistance	R.Manoj Kumar N.Gokul Prasath J. Bharathraj S.Ganeshkumar	VIII	2021	Book Chapter
21	Design and Fabrication of Smart Mirror	R. Bhuvanesh Kanna K. Gurusamy M. Hariram	VI	2021	Conference
22	Design and Fabrication of Smart Bin System	C. M. Dhiyanesh R. Madhavakannan M. Praveen Kumar	VI	2021	Conference
23	Food Waste Prediction using Deep Learning Model	S. Deepak Krishna C. M. Dhiyanesh	VIII	2022	Conference
24	Prediction of Solidwaste Generation in Metro City using Deep Learning	M. Vigneshkumar T. Samrath	VIII	2022	Conference
25	Digitization of Agro Forest	R. Dinesh R. Shyam Sundar	VI	2022	Funded Project TNSCST
26	Crop Prevention by Predicting Environmental Conditions with IoT	R. Dinesh R. Shyam Sundar P. R. Vijay Jaganath M. Bharath	VI	2022	e-Yantra Project
27	Solid Waste Classification using Manipulator with Jetson Nano	R. Dinesh R. Shyam Sundar P. R. Vijay Jaganath	VIII	2023	Conference

Updated as on 01.04.2026

Sl.No	Title of Thesis / Project	Name(s) of the Student(s)	Semester	Year	Outcome
28	Solid Waste Segregation using a Serial Manipulator with Regression Analysis	S. Jehaveerapandian Soumya Souvik Khuntia	VIII	2023	Conference
29	Design and Fabrication of Spyder Surveillance Robot	R. Arjun V. Ram Hari R. Ramkumar	VI	2023	Conference
30	Design and Fabrication of Sudoku Solving Robot Based on AI	S. Dhakshana Moorthi M. Sivakumar R. Gopinath	VI	2023	IE(I) Journal Article
31	Development of Voice Assisted Robot for Forecasting Solid Waste Generation in Smart Cities using Jetson Nano	V. Harrish L. Saravanakumar V. Suryakumar	VI	2024	SCI Paper
32	E-Waste Management in Academic Institution: Prospects and Challenges	M. Sivakumar, R. Gobinath, S. Dhakshana Moorthi	VIII	2024	SCI Paper
33	Development of Automated Household Waste Segregation Bin	L. Saravanakumar V. Suryakumar	VIII	2025	Scopus Paper
34	IoT enabled Autonomous Self-Sustaining System for Biowaste Conversion	M. Aathithyan S. Manikandaprabhu F. Mohamed Arsath	VIII	2025	SCI Paper
35	Design and Development of LIDAR based Autonomous Mobile Robot using Single Board Microcomputer	R. Israel Paulson A. Ponraj M. Oliventhan	VIII	2026	Scopus Paper

12. Patents/Copyrights- filed/awarded – 07

- Self-Locking Valve to avoid water wastage, Patent Awarded- 531585
- Semi-Automated Hand Rehabilitation Device, Patent Awarded- 536284
- Fish Desiccation Device, Patent Awarded- 561028
- Design Patent- Crank-Operated Centripetal Motion teaching apparatus with swing arms/19-07, Application Number: 492564-001, Under Examination
- Industrial Automation Design for Beginners, Application Number: 1086/2020-CO/L, Copyright Received
- Artificial Intelligence in Automotive Systems, Application Number: 19915/2021-CO/L Copyright Received L-111713/2022
- Robotic Process Automation, Application Number: LD-874/2026-CO, Under Scrutiny

13. Membership in Professional societies

- Life Member of Indian Society for Technical Education (No.: LM 110570, 2016)
- Member of Society of Automotive Engineers (Hong Kong) (No.: 7170412051)
- Member of Institution of Engineers India (No.: M-1790085)
- Member of IEEE (No.: 101459263)

14. Awards, Recognition & Achievements

Awards

- Received Young Engineer Award 2024 from the Institution of Engineers India
- Participated and won Drone- Pluto 1.2 in “e-Yantra Teachers Robotics Competition National Finals 2024” organised by IIT Bombay in association with SRM University, Chennai on 20 Aug., 2024.
- Awarded for exceptional contribution as a “Primary Evaluator in Toycathon, 2021”, jointly organized by AICTE and Ministry of Education’s Innovation Cell, Government of India

Updated as on 01.04.2026

- Best Paper Award- Session IV in the International Conference on Contemporary Research Advancements in Mechanical Engineering 2023 (ICCRAME'23) during 24-25 Mar., 2023.

Recognition

- Selected as a BOS member and attended “10th, 11th, 12th, 13th and 14th Board of Studies Meeting” organised by the Department of Mechanical Engineering, Francis Xavier Engineering College, Tirunelveli on 05 Jan., 2024, 05 July, 2024, 23 Dec., 2024, 30 May, 2025 and 16th Dec., 2025.
- Jury Member for the upcoming “Robot System Integration Competition- India Skills 2025” after clearing the assessment for Jury members- organised by the National Skill Development Corporation which will be conducted during various states of India during Nov., 2025- Feb., 2026.
- Jury Member for PACR Hackathon 2025 for ATL students at PACR Polytechnic College, Rajapalayam on 14 Aug., 2025.
- PAQIC Member for the Department of Electrical and Electronics Engineering, Ramco Institute of Technology, 2024.
- Selected as a Mechanical Divisional Committee Member for IE(I) Tuticorin Local Center for the year 2024-2026 and attended 21st Annual General Meeting at Bell Hotel, Tuticorin on 22 Oct., 2024.
- Secured Top 2% position with Gold in an online course on “Automation in Manufacturing” offered by IIT Guwahati via NPTEL.
- Secured Top 5% position with Silver in an online course on “Industrial Robotics: Theories for Implementation” offered by IIT(ISM) Dhanbad via NPTEL
- NPTEL Beliver 2024, 2025 (2 times)
- NPTEL Motivated Learner 2024
- NPTEL Discipline Star- Mechanical Engineering 2024, 2025
- NPTEL Discipline Star- Computer Science and Engineering 2025
- NPTEL Domain Scholar on Manufacturing Processes and Technology 2025
- NPTEL Domain Scholar on Robotics 2024
- External Jury member for “Internal Smart India Hackathon 2023” organized by P.A.C. Ramasamy Raja Polytechnic College, Rajapalayam on 25 Sep., 2023.
- Secured top 5% position by completing the NPTEL online course "Robotics" (Elite with Silver) offered by IIT Kharagpur.
- Patent Granted- Self Locking Valve to avoid water wastage- Patent Number. 531585
- Patent Granted- Semi-Automated Hand Rehabilitation Device, Patent Number - 536284
- UiPath Academic Alliance Educator
- Siemens certified Trainer for the course Mechatronics-Level 1
- Officiated as Jury Member for National Final Selection round- Mechatronics Skills-India Skills Competition held at Bangalore during 07.03.2017-09.03.2017
- Officiated as a judge for the TIER III, Student Convention 2018-19 conducted by SAE India
- UG and PG Anna University Rank Holder
- UG and PG Best outgoing student

Guest Lecture- External

Sl.No	Name of the Event	Organized by	Date
1	Workshop on “Mechatronics, Robotics and Automation”	Francis Xavier Engineering College	12.09.2019
2	Webinar on “Developing Automation circuits using Tinkercad software”	National Engineering College, Kovilpatti	22.05.2020

Updated as on 01.04.2026

Sl.No	Name of the Event	Organized by	Date
3	Lecture on “Patent application for an innovative idea / project” in a Faculty & Student development program on “New technologies - Blockchain, AI and Information security”	IBM Pune in association with IIT PALS	08.12.2020
4	Lecture on “Introduction to Firebird V 2560 Robot” in a Faculty Development Programme on “Emerging Trends in Mechatronics, Automation and Robotics to save Planet”	AICTE under AICTE Training and Learning (ATAL) Academy and Gyan Ganga Institute of Technology & Sciences (GGITS), Jabalpur	16.12.2020
5	Lecture(s) on “CIROS Virtual Simulation Tool- Lab Session and Virtual Lab Session using IITK”	AICTE under AICTE Training and Learning (ATAL) Academy and Gyan Ganga Institute of Technology & Sciences (GGITS), Jabalpur	17.12.2020
6	Lecture on “Python in Raspberry Pi”- AICTE Sponsored STTP on ‘Python and its use in IoT’	AICTE STTP and Gyan Ganga Institute of Technology and Sciences, Jabalpur	13.01.2021
7	lecture on “Introduction to K-Means” during AICTE Sponsored STTP on “Python and its use in IoT- Phase II”	AICTE STTP and Gyan Ganga Institute of Technology and Sciences, Jabalpur	08.02.2021
8	Lecture on “Artificial Intelligence”	Sree Sowdambika College of Engineering	18.11.2021
9	Lecture on “Sensors and Arduino	RIT-IIC in association with Ramco Vidayala Atal Tinkering Lab in Ramco Vidayala, Virudhunagar	12.07.2022-13.07.2022
10	FDP on “Python”	VV Vannia Perumal College for Women, Virudhunagar	27.12.2022-28.12.2022
11	Lecture on “Mechatronics and IoT”	JP College of Engineering, Tenkasi	07.11.2024
12	Lecture on “Role of Robotics in Healthcare Sector”	IEI Tuticorin Local Center	19.02.2025
13	Lecture on “Signal Conditioning Circuits and PLC”	JP College of Engineering, Tenkasi	12.09.2025
14	Lecture on “Exploring the Role of Robotics and Automation in Engineering”	Francis Xavier Engineering College	25.03.2026

Guest Lecture- Internal

Sl.No	Name of the Event	Program Name	Date
1	Lecture on “Modular Production Stations”	Five day webathon on future topics in Mechanical Engineering	21.05.2020
2	Lecture on “Springs”	Webinar series of Strength of Materials for Mechanical Engineering – An Easy Approach”	28.05.2020
3	Lecture on “Design of Flat Belt	Webinar series of Design	15.06.2020

Updated as on 01.04.2026

Sl.No	Name of the Event	Program Name	Date
	Drives”	of Transmission systems– An Overview	
4	Lecture on “Recurrent Neural Networks”	3-day Webinar on Artificial Intelligence for Beginners	17.07.2020
5	Lecture on “Introduction to Electro Pneumatics System”	3-day Workshop on Building Smart Automation Design	06.08.2020
6	Lecture on “Automation using Programmable Logic Controllers”	3-day Workshop on Building Smart Automation Design	07.08.2020
7	Lecture on “Basic Tools in Photoshop”	Institution of Engineers, India	08.08.2020
8	Lecture on “K-Means Clustering with Hands-on in Google co-lab for Digit Classification”	Five-day FDP on “Demystifying Machine Learning Algorithm using Python”	31.12.2020
9	Lecture on “Tensorflow and Keras with Hands-on in Google co-lab”	Five-day FDP on “Demystifying Machine Learning Algorithm using Python”	02.01.2021
10	Lecture on “IoT using Raspberry Pi for Beginners”	Institution of Engineers, India	08.01.2021
11	Lecture on “Hands-on-Session on Programmable Logical Controllers”	TECHRITZ	05.03.2021
12	Lecture on “Automation and Robotics Club of RIT and IndiaSkills- Mobile Robotics”	three-day training program on “Robo Design and Programming”	09.06.2021
13	Lecture on “Home Automation using IoT”	ARC RIT	20.06.2021
14	Lecture on “Report Preparation Modules”	Hands-on Training on “Report Preparation using Overleaf- An Online LaTeX Editor”	16.08.2021- 17.08.2021
15	Lecture on “Email Automation using RPA(Series-I)”	ARC RIT	31.05.2022
16	Lecture on “Introduction to ML in Natural Language Processing”	RIT AI Research Center	07.06.2022
17	Lecture in Workshop on "LaTeX Document Preparation Language- Introduction to LaTeX-Install LaTeX, Create First LaTeX Document, Section levels and ToC, Styling Pages-Paper size and Margins, Page Styles (Header and footer), More on formatting pages (Writing footnotes, Orientation, page breaks)"	The Institution of Engineers (India)	06.04.2023
18	Overview of LaTeX for Researchers – Hands on Training in two-day national level Capacity Building Programme on Scholarly Writing: Research Publications, Citation Analysis, Anti Plagiarism, Reference Management Tools and Strategies of Copyright and Patent (IPR)	Society for the Advancement of Library and Information Science (SALIS), Central Library, Research Department of Physics, Research Council, Institution’ s Innovation Council & NDLI Club	05.08.2023

Updated as on 01.04.2026

Sl.No	Name of the Event	Program Name	Date
19	Lecture on "Motoman GP12 Robot"	Department of Mechanical Engineering in association with RIT IE(I) Mechanical Chapter and ARC RIT Automation and Robotics club	10.01.2024-11.01.2024
20	Lecture on "Roborush - A Cache of Robotics Adventure"	Department of Mechanical Engineering	28.04.2024
21	Lecture on "NLP"	Department of CSBS	10.09.2024
22	Lecture on National Level workshop on the title "Robotics and Automation: Industry 5.0 & Smart Factory"	Department of Mechanical Engineering	28.03.2025

Reviewer- Conferences

- Reviewer for the conference titled as "10th International Advanced Computing Conference (IACC-2020)" organised by Bennett University, Greater Noida during 05.12.2020-06.12.2020.
- Reviewer for the conference titled as "Eighth International Conference on Transformations in Engineering Education (ICTIEE 2021)" organized by Indo Universal Collaboration for Engineering Education.
- Reviewer for AICTE sponsored First International Conference International Conference on Smart Technologies and Applications (ICSTA 2022) and International Conference on Contemporary Research Advancements in Mechanical Engineering 2023 (ICCRAME'23)
- Reviewed for "Advances in Materials Science and Engineering Journal (Impact Factor= 2.098)"
- Reviewer for the conference "International Conference on Computational Sciences and Sustainable Technologies" organised by Christ University, Bengaluru during 08-09 May, 2023
- Reviewer for the conference "Fifth International Conference on Materials Science and Manufacturing Technology (ICMSMT-2023)" organised by Akshaya College of Engineering and Technology, Coimbatore on 08 May, 2023.
- Reviewer for the International Journal of Computers Communications & Control (WoS IF:2.7)
- Reviewer for the 2nd International Conference on Intelligent Computing Systems and Applications (ICICSA-2023) organized by National Institute of Technology Silchar on 05 Aug., 2023.
- Reviewer for the International Journal of Robotics and Automation in Mechanics
- Reviewer for the International Journal of computer aided manufacturing
- Reviewer for the first International Conference on Computation of Artificial Intelligence & Machine Learning 2024 organised by Manipal University, Jaipur
- Technical Program Committee Member for "IEEE 13th International Conference on Communication Systems and Network Technologies (CSNT) 2024" organised by Gyan Ganga Institute of Technology and Sciences, Jabalpur.
- Reviewer for the International Conference on Sustainable Advanced Computing organised by CHRIST (Deemed to be University), Bangalore during 22-23 Mar., 2024
- Reviewer for the International Conference on Innovations in Data Science organised by Manipal University Jaipur
- Reviewer for the 7th International Conference on Recent Trends in Image Processing & Pattern Recognition (RTIP2R), Indian Institute of Information Technology, Bhopal, India

Updated as on 01.04.2026

- Reviewer for the 4th International Conference on Technology and Innovation in Learning, Teaching and Education, Khalifa University, Abu Dhabi, United Arab Emirates (UAE)
- Invited to serve as “Technical Program Committee member (TPC) for CSNT 2025 (14th IEEE International Conference on Communication Systems and Network Technologies)” organised by VIT Bhopal University, KatriKalan
- Reviewer for the 16th International Conference on Computational Intelligence and Communication Networks 2024 is organized by Oriental University, Indore
- Reviewer for the 1st International Conference on Data Computation and Communication is organized by VIT, Bhopal
- Reviewer for 14th IEEE International Conference on Communication Systems and Network Technologies organised by VIT Bhopal in association with MIR Labs Gwalior with technical support of IETE Gwalior and IEEE Computer society chapter
- Technical Program Committee Member for 2025 IEEE Madhya Pradesh Section Conference (MPCON)
- Reviewer for the 2025 IEEE 1st International Conference on Materials, Robotics & Automation, Computer, and Control (ICMRACC-2025) organised by the Vimal Jyothi Engineering College, Kannur
- Technical Program Committee Member for the 17th IEEE International Conference on Computational Intelligence and Communication Networks (CICN 2025)” is organized by Goa University in Association with IEEE Madhya Pradesh Section and IETE Gwalior
- Technical Program Committee Member for the IEEE International Conference on NExt-Gen Pervasive Computing and Communication 2025 organised by IEEE
- Reviewer for the 5th International Conference on Advancement in Electronics & Communication Engineering 2025 organised by Raj Kumar Goel Institute of Technology, Ghaziabad
- Reviewer for the International Conference on Sustainable Computing and Artificial Intelligence organised by Compucom Institute of Technology & Management, Jaipur during 21-23 May, 2025.
- Reviewer for the 6th International Conference on Mobile Radio Communication & 5G Networks – 2025 organised by the Department of Electronics & Communication Engineering, University Institute of Engineering & Technology, Kurukshetra University, Kurukshetra, Haryana
- Reviewer for the International Conference on Emerging Technologies in Electronics and Green Energy- 2025 organised by the Department of Electronics and Communication Engineering, Electronics and Instrumentation and Electrical and Electronics Engineering, JSS Science and Technology University, Mysuru. It is technically co-sponsored by IEEE Bangalore Section on 05 Aug., 2025.
- Reviewer for the 2025 IEEE 17th International Conference on Computational Intelligence and Communication Networks (CICN).
- Reviewer for the 2025 International Conference on Intelligent Computing Systems and Applications, Department of Computer Science and Engineering, National Institute of Technology Silchar.
- Reviewer for the 2025 IEEE Sponsored International Conference on Women in Computing (INCOWOCO 2025) which will be held at G H Rasoni College of Engineering and Management, Pune.
- Reviewer for the 1st IEEE International Conference on Application of Information Technologies in Engineering, Management and Science (ICAI-TEMS), to be held at the University of Calabria, Italy.
- Technical Program Committee Member for the conference “CSNT 2026 (15th IEEE International Conference on Communication Systems and Network Technologies)” organised by the IEEE Madhya Pradesh Section as its Flagship Conference and hosted at VIT Bhopal in

Updated as on 01.04.2026

association with MIR Labs Gwalior with technical support of IETE Gwalior and IEEE Computer society chapter.

- Reviewer for the 2025 IEEE 17th International Conference on Computational Intelligence and Communication Networks (CICN), organised by the National Institute of Technology, Goa
- TPC member for CICN 2026 (2026 IEEE 18th International Conference on Computational Intelligence and Communication Networks (CICN)) organised by the NIT Goa.
- Reviewer for the 15th IEEE International Conference on Communication Systems and Network Technologies organised by the Prince Mohammad Bin Fahd University, and IEEE Madhya Pradesh Section on 26 Dec., 2025.
- Reviewer for the 2026 IEEE Madhya Pradesh Section Conference (MPCON) in association with Rustamji Institute of Technology, Tekanpur
- Reviewer for the 2nd International Conference on Advanced and Global Engineering Challenges (AGEC-2026), hosted by Aditya University, Andhra Pradesh
- Reviewer for the International Conference on Intelligent Systems and Digital Transformation (ICISD'26) organized by the SRM Institute of Science and Technology, Vadapalani Campus

Reviewer- Journals and Book Chapters

- Reviewer for the International Journal of Manufacturing and Production Engineering
- Reviewer for the book chapter Technologies for Sustainable Healthcare Development, IGI Global publications
- Reviewer for the Journal of Experimental & Applied Mechanics
- Reviewer for the Journal Heliyon, Elsevier
- Reviewer for the Journal of Semiconductor Devices and Circuits
- Reviewer for the Journal of Intelligent Service Robots, Springer
- Reviewer for the Journal of International Journal of Mechanical Dynamics and Systems Analysis
- Reviewer for the Journal of Production Research and Management
- Reviewer for the Journal of Automobile Engineering and Applications
- Reviewer for the Journal of Telecommunication, Switching Systems and Networks
- Reviewer for the Recent Trends in Sensor Research and Technology
- Reviewer for the Journal of Microelectronics and Solid State Devices
- Reviewer for the Journal of Interactions, Springer
- Reviewer for the Waste and Resource Management (Proceedings of the ICE)
- Reviewer for the Journal of The Institution of Engineers (India): Series C (IEIC), Springer
- Reviewed a book “Machine Learning Principles and Techniques” in Bentham Science Publisher
- Reviewed a book chapter in Adopting Artificial Intelligence Tools in Higher Education – Student Assessment, Publisher: CRC Press: Taylor & Francis Group
- Reviewer for the Journal of Power electronics system
- Reviewer for the International Journal of Electrical Power and Machine System
- Reviewer for the International Journal of Power Electronics Controllers and Converters
- Reviewed a book chapter in Driving Quality Education Through AI and Data Science, IGI Publications
- Reviewer for the Journal of Intelligent Service Robotics, Springer
- Reviewed a book chapter on “Harnessing AI for Sustainable Futures: Innovations and Challenges” Bentham Science Publisher
- Reviewer for the Materials Research Journal
- Reviewer for the Sustainable Computing: Informatics and Systems Journal, Elsevier
- Reviewer for the Construction Materials Journal

Updated as on 01.04.2026

- Reviewed a book chapter titled “Intelligent Mobile and IoT Ecosystems - Bridging Cloud, Fog, Edge, and AI” Publisher: CRC Press: Taylor & Francis Group
- Reviewer for the book "Industry 6.0 for Sustainable Supply Chains in Agriculture, Healthcare, and Asset Management" by IGI Publishers
- Reviewer for the Journal of Ambient Intelligence and Smart Environments, Sage
- Reviewer for the Global NEST Journal

Mentoring Effectiveness:

Sl.No	Name of the Event	Name of the Students	Period
1	Tamil Nadu e-governance Award 2015- District Winners	S. Vaikundam K. Venkatesh G. Radhakrishnan M. Sathishkumar D. Ganapathi Subramaniam (2013-2017 Batch)	23.10.2015
2	ICTACT Student Innovator Award 2016- Finalists	B. Ramkumar K. Venkatesh R. Ramesh B. Vengalabothi V. Subramanian (2013-2017 Batch)	18.06.2016
3	Mechatronics Skills 2018- Regional Finalists	S. Nirmal Kumar, S. Vignesh (2014-2018 Batch) T. Karthik@Siva, K. Vignesh (2016-2020 Batch)	19.06.2018- 22.06.2018
4	e-Yantra Innovation Challenge 2020- Regional Finalists	R. Manoj Kumar, N. Gokul Prasath, S. Kalai Prabhu, S. Ganesh Kumar (2017-2021 Batch)	September 2019- February 2020
5	Mechatronics Skills 2020- District Winners and Runners	S. Deepak Krishna, S. Santhosh (2018-2022 Batch)	31.01.2020
6	Robot System Integration Skills 2021- National 3rd and Finalists	R. Dinesh, Soumya Souvik Khuntia (2019-2023 Batch) R. Shyam Sundar, S. Jehaveerapandian (2019-2023 Batch)	June 2021- January 2022
7	Autodesk Fusion 360 Challenge- Level-1 &3 Second Runner up- Top Finalist Award	R. Dinesh, R. Shyam Sundar, (2019-2023 Batch)	October 2022- March 2023
8	Tamil Nadu Skills Finalist- Mechatronics 2023	J. Santhana Krishnan, S. Vignesh (2020-2024 Batch)	July 2023- April 2024
9	Robot System Integration Skills 2023- National 2 nd	R. Dinesh, Soumya Souvik Khuntia (2019-2023 Batch)	July 2023- May 2024
10	Fanuc Olympiad 2025	L. Saravanakumar, V. Suryakumar, (2021-2025 Batch) B. Shanmugapandi,	February- July 2025

Updated as on 01.04.2026

Sl.No	Name of the Event	Name of the Students	Period
		M. Vignesh (2023-2027 Batch)	
11	World Robot Olympiad 2025- Future Engineers Category- National Finals	M. Manojkumar (CSBS), P. Chandru (MECH), V. Rakshit (EEE) (2023-2027 Batch)	February- August 2025
12	Smart India Hackathon 2025- National Finals	B. Shanmugapandi, P. Chandru (MECH), (2023-2027 Batch), A. Kulsen Sabana, R. Rosen Muthukumar (MECH), (2025-2029 Batch) M. Manojkumar (CSBS), (2023-2027 Batch), K. R. Shreedharan (ECE), (2023-2027 Batch)	August- December 2025
13	Vishwakarma Awards 2025- Cobot Design- Round 3 shortlisted	B. Shanmugapandi (MECH), H. Gururengaraja (EEE), G. Santhosh, (CSBS) (2023-2027 Batch)	November 2025- January 2026

Subjects Handled- Theory:

Sl.No	Name of the Subject with Code	Subject Type	Regulation	Exam Period	Student Count	Pass Percentage
1	ME6501 Computer Aided Design	Core	R2013	Nov- Dec 2015	71	97.18
2	ME6401 Kinematics of Machinery	Core	R2013	May- June 2016	72	98.61
3	ME6401 Kinematics of Machinery	Core	R2013	May- June 2016	69	97.10
4	ME6501 Computer Aided Design	Core	R2013	Nov- Dec 2016	72	100
5	ME6702 Mechatronics	Core	R2013	Nov- Dec 2016	71	100
6	ME6401 Kinematics of Machinery	Core	R2013	May- June 2017	72	95.83
7	MG6863 Engineering Economics	Core	R2013	May- June 2017	71	100
8	ME6702 Mechatronics	Core	R2013	Nov- Dec 2017	72	97.22
9	ME6702 Mechatronics	Core	R2013	Nov- Dec 2017	69	89.86
10	ME6401 Kinematics of Machinery	Core	R2013	May- June 2018	61	68.85
11	MG6863 Engineering Economics	Core	R2013	May- June 2018	69	95.65

Updated as on 01.04.2026

Sl.No	Name of the Subject with Code	Subject Type	Regulation	Exam Period	Student Count	Pass Percentage
12	ME6702 Mechatronics	Core	R2013	Nov- Dec 2018	71	94.37
13	ME8492 Kinematics of Machinery	Core	R2017	May- June 2019	63	66.13
14	MG6863 Engineering Economics	Core	R2013	May- June 2019	71	97.18
15	ME6010 Robotics	Professional Elective	R2013	Nov- Dec 2019	26	100
16	ME8492 Kinematics of Machinery	Core	R2017	May- June 2020	33	100
17	ME8694 Hydraulics and Pneumatics	Core	R2017	May- June 2020	63	100
18	ME8099 Robotics	Professional Elective	R2017	Nov- Dec 2020	31	100
19	OAN751 Low Cost Automation	Open Elective	R2017	Nov- Dec 2020	10	100
20	ME8492 Kinematics of Machinery	Core	R2017	May- June 2021	24	100
21	ME8694 Hydraulics and Pneumatics	Core	R2017	May- June 2021	33	100
22	ME8791 Mechatronics	Core	R2017	Nov- Dec 2021	49	100
23	ME8492 Kinematics of Machinery	Core	R2017	May- June 2022	42	88.10
24	ME8694 Hydraulics and Pneumatics	Core	R2017	May- June 2022	24	91.67
25	ME8791 Mechatronics	Core	R2017	Nov- Dec 2022	46	91.30
26	ME8099 Robotics	Professional Elective	R2017	Nov- Dec 2022	15	100
27	ME8651 Design of Transmission System	Core	R2017	May- June 2023	41	92.68
28	ME3492 Hydraulics and Pneumatics	Core	R2021	May- June 2023	63	85.71
29	ME8791 Mechatronics	Core	R2017	Nov- Dec 2023	40	87.5
30	MR3691 Robotics	Honors	R2021	Nov- Dec 2023	09	100
31	ME3491 Theory of Machines	Core	R2021	May- June 2024	27	56
32	MR3491	Professional	R2021	May- June	31	96.77

Sl.No	Name of the Subject with Code	Subject Type	Regulation	Exam Period	Student Count	Pass Percentage
	Sensors and Instrumentation	Elective		2024		
33	CCS361 Robotic Process Automation	Honors	R2021	May- June 2024	15	100
34	MR3491 Sensors and Instrumentation	Professional Elective	R2021	July-December 2024	22	66.67
35	ME3791 Mechatronics and IoT	Core	R2021	July-December 2024	63	90.92
36	ME3492 Hydraulics and Pneumatics	Core	R2021	Feb- May 2025	63	74
37	CME389 Design of Transmission Systems	Professional Elective	R2021	Feb- May 2025	21	95
38	MR3491 Sensors and Instrumentation	Professional Elective	R2021	July-December 2025	31	84
39	CCS361 Robotic Process Automation	Professional Elective	R2021	July-December 2025	61	100
40	CCS361 Robotic Process Automation	Professional Elective	R2021	July-December 2025	60	100
41	ME3492 Hydraulics and Pneumatics	Core	R2021	Jan- April 2026	44	In Progress

Any others (Board of studies/Governing Council/Staff Selection/ Reviewer/other duties)

Sl.No.	Position held	Period	Activities carried out
1	Mechatronics Lab In-charge (Including Industrial Automation using Smart Production System Laboratory, e-Yantra Robotics Laboratory and Yaskawa Robotics Education Cell)	15.06.2015 onwards	<ul style="list-style-type: none"> Establishing Mechatronics Laboratory with high quality standards Purchasing Advanced kits in Mechatronics laboratory to improve skills in Robotics and Automation domain Organizing workshop/courses to the students periodically Conducted training to selected students to participate Mechatronics Skills in India Skills competition Copyright of Mechatronics Manual has been approved by IPR, New Delhi Assisted for proposal preparation under MODROB Scheme. The Proposal granted by AICTE Extension of Lab Facilities using various funding scheme

Updated as on 01.04.2026

2	Department Magazine/ Newsletter In-Charge	01.05.2016 onwards	<ul style="list-style-type: none"> Released Department Annual Newsletter 2017-2018, 2018-2019, 2019-2020, 2021-2022 during Valedictory function of RIT Mechanizo. Released Techno Mechanic Magazine for the year 2020 and 2021 Provided details to College and Anna University News Letter Bulletin during every academic year Collected and consolidated weekly newsletter from 2019 onwards
3	Faculty Coordinator RIT ARC (Automation and Robotics Club)	28.02.2018 onwards	<ul style="list-style-type: none"> Inaugurated RIT ARC Club on National Science day (28.02.2018) Conducted Awareness Program in Robotics and Automation division to first year students Conducted Robo Race, Line Follower, Automation, Robo Quiz and Robo Connexion events Officiated as a Team Leader in e-Yantra Robotics Laboratory initiative in association with IIT Bombay Establishing e-Yantra Robotics Laboratory in association with IIT Bombay Conducted One week finishing School Programme on “Robot Making, Programming and Automation’ for class X, XI and XII students during April 2019. Conducted four-day course on Mechatronics Skills 2020- Beginner Level-I for II and III Year ECE and Mechanical Students during June 2019 Coordinator for e-Yantra Robotics Competition 2019,2020 and e-Yantra Ideas Competition 2019,2020 conducted by IIT Bombay Conducted many webinars/workshops/Hands-on-session in the field of robotics, automation and AI
4	Team Member in RIT AI Research Team	01.06.2018 onwards	<ul style="list-style-type: none"> Conducted three days’ workshop on AI and Deep Learning in RIT during September 2018 Motivating students to do Online course, Internship and projects in AI Prepared and submitted an AI Project Proposal to TNSCST during February 2019. Actively involved in webinars/seminars/workshops/FDPs related to AI, DL and ML Submitted Proposal on Solid Waste Handling in DST Completed 12 online courses Supporting projects from outside- AIMS New Delhi, Raja Nursery etc
5	NBA Criteria IV	01.07.2018 onwards	<ul style="list-style-type: none"> Collected documents related to Student performance and preparing SAR file Provided data for DAC meeting Preparing and presenting data’s for PAQIC meeting Periodical updating P-files and relevant documents

6	NAAC Criteria V	01.07.2018 onwards	<ul style="list-style-type: none"> • Collected documents related to Student Support and Progression. • Periodically updated DVV data for every three months
7	Skill Development Centre Incharge	01.06.2020 onwards	<ul style="list-style-type: none"> • Selecting students to make them to prepare India Skills Competition • Providing necessary training to compete in India Skills Competition skill sets like Mechatronics and Robot System Integration • Supporting students in every aspect of the event
8	Social Media Admin	01.06.2021 onwards	<ul style="list-style-type: none"> • Designing posters for placed students and posted the same in facebook, instagram, telegram, linkedin and twitter accounts • Prepare posters during special day occasions and posted the same in various platforms
9	Professional Society- IE(I) Mech Chapter Incharge	01.10.2022 onwards	<ul style="list-style-type: none"> • Planning events for every academic year as per the guidelines given by the chapter • Adding new members and reporting the same with IEI head office • Communication of every activities to IEI for newsletter preparation • Coordinating events with student members