

## BIO DATA



Name : S.Valai Ganesh

Designation : Assistant Professor (Senior Grade)

Department : Mechanical Engineering

Address for Communication : Department of Mechanical

Engineering, Ramco Institute of Technology,

Rajapalayam-626117

Email : valaiganesh@ritrjpm.ac.in

Mobile Number : 9043489697

Google Scholar link:

[https://scholar.google.com/citations?user=2skXv\\_UAAAAJ&hl=en](https://scholar.google.com/citations?user=2skXv_UAAAAJ&hl=en)

### 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	Pursuing

### 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 – Mechatronics, Robotics, Automation, RPA, Machine Learning and Deep Learning

#### 4 Publications

##### 4.1 Journal Publications

1. B Ramkumar, K Venkatesh, R Ramesh, S.Valai Ganesh, "Design and Development of Pneumatic Articulated Robot For Palletizing Operations", in International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE), ISSN: 0976-1353 Volume 24 Issue 4 – MARCH 2017

Updated as on 01.06.2023

2. T. Karthik@Siva, V. Kannan, S. Rajakarunakaran and S. Valai Ganesh, "Development of Smart Humanoid Flexo Grab", in International Journal of Applied Engineering Research, June 2019, Volume 14, Number 11 (Special Issue)
3. S. Godwin Barnabas, S. Valai Ganesh, V. Sivakumar, "Development of medical physio device for stroke patients". Materials Today Proceedings (Impact factor 0.694.), March 2020
4. S. Godwin Barnabas, S. Valai Ganesh, S. Rajakarunakaran, published an article titled "Facilitation of Automation in the Physio Treatment Devices for Stroke Patients" Journal of Huazhong University of Science and Technology (Scopus indexed) , Volume 50, Issue 06, 2021.
5. S. Godwin Barnabas, K.A.V. Geethan, S. Valai Ganesh, S.Rajakarunakaran, P. Sabarish Kumar published a paper titled as "Role of Modern Technologies and Internet of Things in the Field of Solid Waste Management" in International Journal of Computers Communications & Control, Volume: 16, Issue: 5, Month: October, 2021, <https://doi.org/10.15837/ijccc.2021.5.4239>
6. Arun Vasantha Geethan Kathiresan, Godwin Barnabas Solomon, Valai Ganesh Sankararamasubramanian, VijayAnanth Suyamburajan published a paper titled as "Vital Role of Recent Technologies in Sorting Different Solid Waste Materials in Recycling Process" in Fresenius Environmental Bulletin, Volume: 31, Issue: 5, May 2022
7. Dr. S. Godwin Barnabas, Dr. K. ArunVasantha Geethan, Mr. S. Valai Ganesh, Mr. T. Selvasundar published a paper titled as "New Green Manufacturing model for end of life of automotive components using Fuzzy approach" in Positif Journal, Issn No : 0048-4911, <https://doi.org/10.37896/psj30.7/1215>
8. Dr. S. Godwin Barnabas, Dr. K. ArunVasanthaGeethan, Dr. VijayAnanth Suyamburajan, Mr. S. Valai Ganesh published a paper titled as "Conversion of Waste Plastic into Valuable Fuel by simple pyrolysis process" in BULLETIN MONUMENTAL, e-ISSN No : 0007-473X, <https://doi.org/11.37896/BMJ23.07/5307>

#### **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. Dr. S. Godwin Barnabas, Dr. S. Rajakarunakaran, Mr. S. Valai Ganesh, Mr. T. Selva Sundar, Mr. 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. Dr. S. Godwin Barnabas, ASCP/Mech, Dr. V. Sivakumar, ASCP/Mech, Mr. S. Valai Ganesh, AP/Mech, Dr. S. Rajakarunakaran, Prof & Head/Mech, Mr. T. Selva Sundar,

AP/Mech 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. Mr. S. Valai Ganesh, AP/Mech 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. The Co-Authors are Dr. S. Rajakarunakaran, Prof and Head/Mech, Mr. T. Selva Sundar, AP/Mech and Dr. S. Godwin Barnabas, ASCP/Mech
20. Mr. S. Valai Ganesh, AP/Mech 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, Raja Nursery, S. Valai Ganesh, AP(SG)/Mech, S. Rajakarunakaran, Prof. & Head/Mech, R. Dinesh, R. Shyam Sundar, IV Mech 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. Jehaveerapandian, IV Mech, S. Valai Ganesh, AP(SG)/Mech, T. Selvasundar, S. Rajakarunakaran, Prof. & Head/Mech, 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, IV Mech, Mr. S. Valai Ganesh, AP(SG)/Mech 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, IV Mech, Mr. S. Valai Ganesh, AP(SG)/Mech 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.

#### 4.3 Book/Book chapter publications

1. Dual Transmission Systems Published at Amazon Kindle Platform during 2019
2. S. Valai Ganesh, S. Rajakarunakaran, R. Manoj Kumar, N. Gokul Prasath published an article titled “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.
3. S. Valai Ganesh, Mohit Agarwal, Suneet Kr. Gupta, and S. Rajakarunakaran published a book chapter titled “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.
4. N. Sankarachelliah, V. Rijith Kumar, P. Senthilram, S. Valai Ganesh, T. Selva Sundar, S. Godwin Barnabas, and S. Rajakarunakaran published a book chapter titled “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.
5. S. Valai Ganesh, V. Suresh, S. Godwin Barnabas, and S. Rajakarunakaran Published a book chapter titled “Building Smart Bot Design for Library Assistance”, in Robotics and Automation in Healthcare Advanced Applications, Hard ISBN: 9781774915486, 2023.

#### 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	Rs.20,000	Completed
2	Tree Measurement using LIDAR with Built-in Navigation System	Tamil Nadu State Council for Science and Technology	9 Months	Rs.7,500	Completed
3	Recycling the waste tyre for the production of	Swachh Technology Challenge, Ministry of	2 Years	---	Waiting for Result

Updated as on 01.06.2023

	automotive seals and gaskets	Housing and Urban Affairs, Government of India			
4	Voice Assistance Bot for Food Waste Prediction and Collection process in the Academic Campus	Institution's Innovation Council, MOE'S Innovation Cell	1 Year	---	Waiting for Result
5	Multi-purpose physio device for the disabled persons	MSME Idea hackathon 2.0	2 Year	---	Waiting for Result
6	Transforming Plastic Waste Management: Harnessing IoT and AI Technologies	Enviro- Solvers Hackathon 2023- Tamil Nadu Pollution Control Board	1 Year	Rs.3,00,000	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

Updated as on 01.06.2023

Sl.No	Title of the event	Organized by	Date	
			From	To
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
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	Saigits 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

Sl.No	Title of the event	Organized by	Date	
			From	To
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
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 Technoserve 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

Updated as on 01.06.2023



Sl.No	Title of the event	Organized by	Date	
			From	To
37.	One-week FDP on “Python 3.4.3”	Padmabhooshan Vasantodada 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
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

Sl.No	Title of the event	Organized by	Date	
			From	To
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
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

Sl.No	Title of the event	Organized by	Date	
			From	To
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
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

Sl.No	Title of the event	Organized by	Date	
			From	To
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
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

Updated as on 01.06.2023

Sl.No	Title of the event	Organized by	Date	
			From	To
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
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

Sl.No	Title of the event	Organized by	Date	
			From	To
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 Cyper 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
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

Sl.No	Title of the event	Organized by	Date	
			From	To
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
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

Updated as on 01.06.2023

Sl.No	Title of the event	Organized by	Date	
			From	To
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
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



Sl.No	Title of the event	Organized by	Date	
			From	To
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
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

Sl.No	Title of the event	Organized by	Date	
			From	To
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
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	Sep
159.	Orientation program on “Translators and Reviewers in Tamil under AICTE Technical Book Writing Scheme”	Anna University, Chennai	20.01.2023	20.01.2023

Updated as on 01.06.2023

Sl.No	Title of the event	Organized by	Date	
			From	To
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 “ <b>Wheeled Mobile Robots</b> ”	IIT Madras	Jan 2023	April 2023
164.	Industrial visit "Rajapalayam Mills Limited"	RML Rajapalayam	25.05.2023	25.05.2023

**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
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

Sl.No	Title of the event	Organized by	Date	
			From	To
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
11	TechYuga 2018 Automation and Robotics Club event Coordinator	RIT	31.08.2018	31.08.2018
12	Value Added Course on Autodesk Certified user in Inventor	RIT and ICTACT	17.12.2018	20.12.2018
13	Workshop-cum-Competition on Pneumatics and Automation	RIT	01.02.2019	02.02.2019
14	Robo Quiz and Robo Connexion event	RIT ARC	28.02.2019	28.02.2019
15	One week finishing school programme on Robot Making, Programming and Automation	RIT ARC	22.04.2019	26.04.2019
16	Course on Mechatronics Skills 2020- Beginner Level-I course	RIT	11.06.2019	14.06.2019
17	Course on Robotics and IoT	RIT	24.06.2019	27.06.2019
18	TechYuga 2020 Automation and Robotics Club event coordinator	RIT	31.08.2019	31.08.2019
19	e-Yantra Robotics Competition	RIT with IIT Bombay	18.09.2019	02.10.2019
20	e-Yantra Ideas Competition	RIT with IIT Bombay	02.10.2019	22.02.2020
21	LaTeX Document Preparation Language	RIT ISTE	24.01.2020	25.01.2020
22	Three-day training program on “Programmable Logic Controllers Modules-I to III”	RIT ARC	31.03.2020	02.04.2020

Updated as on 01.06.2023

Sl.No	Title of the event	Organized by	Date	
			From	To
23	Two-day training program on “CIROS Education software”	RIT ARC	05.04.2020	06.04.2020
24	Robotics School Quiz	RIT ARC	06.05.2020	15.05.2020
25	Webinar on "Artificial Intelligence for Beginners"	RIT ARC	15.07.2020	17.07.2020
26	Workshop on "Building Smart Automation Design"	RIT ARC	05.08.2020	07.08.2020
27	Online quiz on "Machine Design"	RIT IEI	17.08.2020	17.08.2020
28	Webinar on "Circuit Design using Tinkercad"	RIT ARC	27.09.2020	27.09.2020
29	Training on "Case Studies in Deep Learning- Hands-on Session Using Google Co-Lab"	RIT ARC	16.10.2020	17.10.2020
30	Hands-on-Session on “Programmable Logical Controllers”	TECHRITZ	05.03.2021	05.03.2021
31	Three-day training program on “Robo Design and Programming”	RIT ARC	07.06.2021	09.06.2021
32	Workshop on “Home Automation using IoT”	RIT ARC	20.06.2021	20.06.2021
33	Quiz on “Robotics”	RIT ARC	01.07.2021	10.07.2021
34	Competition on “TinkerCAD Programming”	RIT ARC	17.09.2021	17.09.2021
35	Webinar on “Building Chatbot Design Level-I”	RIT ARC	01.10.2021	01.10.2021
36	Workshop-cum-competition on “Robo Seguidor”	RIT ARC	20.10.2021	21.10.2021
37	Awareness Program on “India Skills-Mechatronics and Mobile Robotics”	RIT ARC	02.11.2021	02.11.2021

Sl.No	Title of the event	Organized by	Date	
			From	To
38	Microsoft and SAP CSR Supported Techsaksham FDP on AI/ML through Edunet Foundation	RIT AI	24.01.2022	29.01.2022
39	Souvenir Committee Member ICSTA 2022	RIT	11.03.2022	12.03.2022
40	Souvenir Committee Member ISTE Student Convention 2022	RIT	26.03.2022	26.03.2022
41	Training program on “Mechatronics and Robot System Integration Skill”	RIT	23.09.2022	23.09.2022
42	Competition on “Robo Connexion”	RIT ARC	20.10.2022	20.10.2022
43	General Aptitude	RIT IEI	28.11.2022	28.11.2022
43	Brochure, Website, Certificate Design, Social Media Promotion for ICCRAME’23	RIT	March 2023	March 2023
44	Hands-on Training on “Robotics”	RIT ARC	23.02.2023	23.02.2023
45	Ten-day Hands-on Training on “DJI Mavic Drone”	RIT IEI	04.04.2023	13.04.2023
46	Hands-on Training on “LaTeX-Document Preparation Language	RIT IEI	06.04.2023	06.04.2023

### 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 01.06.2023

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 01.06.2023

Sl.No	Course title	University	Date
		and Goldsmiths, Coursera	
35	Support Vector Machines with scikit-learn	Coursera Project Work	July 2020
36	Logistic 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

Updated as on 01.06.2023



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
76	Deep Learning-13 Courses	GUVI	December 2022- March 2023

#### 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

#### 11. Patents filed/awarded – 02

- Anti-Supply Hippo Intelligence Valve, Patent Application-201841016882, First Examination Report received and submitted the same
- 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
- Semi-Automated Hand Rehabilitation Device, Patent Application- 202241000330
- Fish Desiccation Device, Patent Application-202241007700

#### 12. Membership in Professional societies

Updated as on 01.06.2023

- Life Member of Indian Society for Technical Education (No.: LM 110570, 2016)
- Member of Society of Automotive Engineers (Hong Kong) (No.: 7170412051)
- Associate Member of Institution of Engineers India (No.: AM183899-5)

### 13. Awards, Recognition & Achievements

#### Awards

- 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
- 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

- Officiate 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

#### 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
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

Updated as on 01.06.2023

Sl.No	Name of the Event	Organized by	Date
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

### 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 Drives”	Webinar series of Design of Transmission systems– An Overview	15.06.2020
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

Updated as on 01.06.2023

Sl.No	Name of the Event	Program Name	Date
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

### Reviewer

- 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.
- 

### 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	23.10.2015

Updated as on 01.06.2023

Sl.No	Name of the Event	Name of the Students	Period
		(2013-2017 Batch)	
1	ICTACT Student Innovator Award 2016- Finalists	B. Ramkumar K. Venkatesh R. Ramesh B. Vengalabothi V. Subramanian (2013-2017 Batch)	18.06.2016
2	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
3	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
4	Mechatronics Skills 2020- District Winners and Runners	S. Deepak Krishna, S. Santhosh (2018-2022 Batch)	31.01.2020
5	Robot System Integration Skills 2022- National 3 <sup>rd</sup> and Finalists	R. Dinesh, Soumya Souvik Khuntia (2019-2023 Batch) R. Shyam Sundar, S. Jehaveerapandian (2019-2023 Batch)	June 2021- January 2022
6	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

**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	15.06.2015 onwards	<ul style="list-style-type: none"> <li>Establishing Mechatronics Laboratory with high quality standards</li> <li>Purchasing Advanced kits in Mechatronics laboratory to improve skills in Robotics and Automation domain</li> <li>Organizing workshop/courses to the students periodically</li> <li>Conducted training to selected students to participate Mechatronics Skills in India Skills competition</li> <li>Copyright of Mechatronics Manual has been approved by IPR, New Delhi</li> <li>Assisted for proposal preparation under MODROB Scheme. The Proposal granted by AICTE</li> <li>Extension of Lab Facilities using various funding scheme</li> </ul>
2	Department Magazine/ Newsletter In-Charge	01.05.2016 onwards	<ul style="list-style-type: none"> <li>Released Department Annual Newsletter 2017-2018, 2018-2019, 2019-2020, 2021-2022 during Valedictory function of RIT Mechanizo.</li> </ul>

**Updated as on 01.06.2023**

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

**Updated as on 01.06.2023**

7	Skill Development Centre Incharge	01.06.2020 onwards	<ul style="list-style-type: none"> <li>• Selecting students to make them to prepare India Skills Competition</li> <li>• Providing necessary training to compete in India Skills Competition skill sets like Mechatronics and Robot System Integration</li> <li>• Supporting students in every aspect of the event</li> </ul>
8	Social Media Admin	01.06.2021 onwards	<ul style="list-style-type: none"> <li>• Designing posters for placed students and posted the same in facebook, instagram, telegram, linkedin and twitter accounts</li> <li>• Prepare posters during special day occasions and posted the same in various platforms</li> </ul>