

Name:	Ms.Sowmya C
Designation:	Assistant Professor
EMP ID:	711
Department:	Industrial and Production Engineering
Institution:	SJCE, JSS S&TU, MYSURU

SUBJECTS TAUGHT

- Industrial Metrology
- Thermal Engineering
- Metrology and Measurements
- Manufacturing Process I
- Basic Workshop Practice
- Metrology Lab
- Quantitative Techniques Lab
- Engineering Thermodynamics
- Dynamics of Machines
- Engineering Graphics
- Mechanical Engineering Science
- Computer Aided Machine Drawing
- Computer Aided Design Lab
- Computer Aided Manufacturing Lab
- Management and Entrepreneurship
- Computer Aided Engineering Analysis Lab
- Non Traditional Machining
- Lean & Agile Manufacturing
- Material Testing Lab
- Industrial Engineering Lab
- Mechanical Lab

LIST OF SHORT-TERM COURSES/FDP ATTENDED

FDP ATTENDED

SL. NO	PROGRAM TITLE	PROGRAM VENUE	DATE	DURATION
YEAR 2016				
1.	Pedagogy of Instructional Design and Deliver System	SJCE, MYSURU	30 th May to 4 June 2016	1 week
2.	Computational Linear Algebra	SJCE, MYSURU	7 th -11 th December 2016	1 week
YEAR 2017				
3.	Strength Based Personality Development Programme	SJCE, MYSURU	30 th Dec 2016 to 3 rd Jan 2017	1 week
4.	Research Methodologies	JSS science and Technology University, Mysuru	18 th to 19 rd Nov 2017	2 days
YEAR 2018				
5.	Spectrum of Intellectual Property Rights with special emphasis on Patents	JSS science and Technology University, Mysuru.	28 Feb 2018	1 day
6.	Lean Innovation	NIE, Mysuru	16 th to 17 rd April 2018	2 days
7.	How to do a Good Ph.D and How to Write papers/thesis using Latex?	JSS science and Technology University, Mysuru.	17 th to 18 th May 2018	2 days
8.	Emerging Intelligent polymer Materials: From Science to Industrial Application	SJCE, MYSURU	16 th to 27 th July 2018	2 weeks GIAN
9.	Corporate wellness conference- Wellness and wellbeing for a happy workplace	Hotel Radisson Blu, Mysuru in association with (CII) confederation of Indian Industry	29 th Nov 2018	1 day
YEAR 2019				
10.	Composite materials and structures: Processing and Fabrication, Analysis and Design	SJCE, MYSURU	31 st Dec 2018 to 11 th Jan 2019	2 weeks GIAN
11.	Lean Manufacturing Techniques	MITM and QCFL, Mysuru	25 th Feb to 1 st March 2019	1 week
12.	Japanese Culture and Management	JSS science and Technology University, Mysuru.	23 March 2019	1 day
13.	Calibration of Advanced Metrology Instruments	SJCE, MYSURU in association with National Accreditation Board for Testing and Calibration Laboratories” (NABL)	24 th April 2019	1 day
14.	Avenues in Advanced manufacturing and Mechanical Engineering	The National Institute of Engineering, Mysuru	13 th to 17 th May 2019	1 week
15.	Envisioning the Faculty Role in Education” on held at	JSS science and Technology University, Mysuru	28 May 2019	1 day

16.	Engineering Graphics and Design-Teaching Methodology and Evaluation Procedure	SJCE, MYSURU	8 th - 12 th July 2019	1 week
17.	CNC Training and CAE	SJCE, MYSURU	1 st -05 th August 2019	1 week
18.	Work Study Professional	SJCE, MYSURU	6 th - 10 th August 2019	1 week
19.	Advanced Quality Approach For Industry 4.0	SJCE, MYSURU	19 th – 23 rd August 2019	1 week
20.	Value 1.0 & Lean Thinking Inventive Problem Solving Through TRIZ	SJCE, MYSURU	26 th – 31 st August 2019	1 week
YEAR 2020				
21.	Digital Transformation in Teaching Learning Process	TEQIP online Certification course. Funded by MHRD, govt. Of India.	14 th Feb to 6 th March 2020	2 week (Virtual Mode)
22.	webinar on Online Tools For Researchers	Department Of Electrical and Electronics Engineering, Albertian Institute of Science and Technology, Kalamassery, Kochi-682022	July 7th 2020	1 day (Virtual Mode)
23.	webinar on Insights to INDUSTRY 4.0	Department Of Mechanical Engineering, S.A Engineering college (Autonomous), Chennai, India.	29 th MAY 2020	1 day (Virtual Mode)
24.	Embedding Research & Development In Academic Environment	Department of Electrical and Electronics Engineering , SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bangalore	1st June to 3rd June 2020	3 days (Virtual Mode)
25.	NBA and NAAC Accreditation Process	Internal quality Assurance cell (IQAC) M S Ramaiah institute of Technology, Bangaluru.	4 th to 8 th June 2020	1 week (Virtual Mode)
26.	“Effective Technical Report Writing Using Latex”	Department Of Electronics and communication	8 th to 9 th June 2020	2 days (Virtual Mode)

		Engineering, MGIT, Hyderabad		
27.	Nanocomposites and Nanomaterials & it's Characterization	Department Of Mechanical Engineering, Vimal Jyothi Engineering College, chemperi, kannur, kerala.	8 th to 20 june 2020	2 week (Virtual Mode)
28.	webinar on Recent Advances in the Processing of Light Weight Metallic Materials	Department Of Mechanical Engineering, Bethlahem Institute of Engineering	15 th June 2020	1 day (Virtual Mode)
29.	Advances in Machining Process	Department of Mechanical Engineering, PES Institute of Technology and Management, Shivamogga	17 th to 19 june 2020	3 days (Virtual Mode)
30.	Fracture Mechanics	PESITM, Shivamogga	24 th to 26 th June 2020	3 days (Virtual Mode)
31.	Research Workshop	BIRDS (BELL INSTITUTE OF RESEARCH AND DEVELOPMENT STUDIES) A Division Of Bell Foods Group, Kochi, Kerala, India	25 th to 29 th June 2020	1 week (Virtual Mode)
32.	New Teaching Strategies and Techniques	Research Affairs Committee, Under SOP Cell, B.L.D.E.Association's Shree Sanganabasava Mahaswamiji Polytechnic, Vijayapur -03	29 th June to 3 rd July 2020	1 week (Virtual Mode)
33.	Design of Solar Systems for Homes	Department of Mechanical Engineering in association with Centre renewable Energy GM Institute of Technology Davangere, Karnataka	22 nd July 2020	1 day (Virtual Mode)
34.	Industry 4.0: Smart Manufacturing for Future.	Department of Industrial Engineering and Management, Siddaganga Institute of Technology, Tumakuru	27 th to 29 th July 2020	3 days (Virtual Mode)

35.	Quality Control and Safety in Polymer & Allied Industries	Department of Polymer Science and Technology, SJCE, MYSURU.	27 th to 31 st July 2020	1 week (Virtual Mode)
36.	Engineering Management and Entrepreneurship	Department of Mechanical Engineering, JSS STU, SJCE, MYSURU.	5 th to 7 th August 2020	3 days (Virtual Mode)
37.	Additive Manufacturing, 3D printing and its Applications	Department of Mechanical Engineering, JSS STU, SJCE, MYSURU.	8 th August 2020	1 day (Virtual Mode)
38.	Cryogenics And Its Applications	Department of Mechanical Engineering, JSS STU, SJCE, MYSURU.	12 th to 14 th August 2020	3 days (Virtual Mode)
39.	Research & Innovation	Department of Information Science and Engineering, VVCE, Mysuru.	17 th to 21 st August 2020	1 week (Virtual Mode)
40.	Technical Quiz on "Innovation in Product Design"	Department of Industrial & Production Engineering, JSS STU, SJCE, MYSURU.	02 nd to 06 th September 2020	Quiz
41.	Healthy Life Style Management During And After Covid Scenario	Dept of physical & education & COVID CELL, SJCE, JSS STU, MYSURU	19 th to 23 rd October 2020	1 week (Virtual Mode)
42.	Six Days Online Short Term Training Programme "Intellectual Property for Engineers & Scientists" - Phase 2	AICTE, New Delhi under AQIS sponsored	23 rd to 28 th November 2020	1 week (Virtual Mode)
43.	Six Days Online Short Term Training Programme "Intellectual Property for Engineers & Scientists" - Phase 3	AICTE, NewDelhi under AQIS sponsored	14 th to 19 th December 2020	1 week (Virtual Mode)
YEAR 2021				
44.	Fundamental Concepts on Tribology – An Overview	Cauvery Institute of Technology, Mandya, Karnataka	9 th Jan 2021	1 day (Virtual Mode)
45.	Smart Manufacturing through machine Vision and Artificial Intelligence	Dr. Ambedkar Institute of Technology, Bangalore, Karnataka, India	12 th June 2021	1 day (Virtual Mode)
46.	Significance on Quality	Dr. Ambedkar	19 th June 2021	1 day

	Management – An Overview	Institute of Technology, Bangalore, Karnataka, India		(Virtual Mode)
47.	Workshop on Swyam-NPTEL and MOOCs	G H Rasoni Institute of Engineering and Technology, Nagpur in association with Rashtrasant Tukdoji Maharaj Nagpur University.	26 th June 2021	1 day (Virtual Mode)
48.	Lean Six Sigma Yellow Belt Training	Department of Industrial Engineering & Management, Siddaganga Institute of Technology, Tumakuru.	7 th July 2021	1 day (Virtual Mode)
49.	Art of Writing Research Article and IPR	Department of Information Science and Engineering in association with Technical	19 th July 2021 to 23 rd July 2021	1 week (Virtual Mode)
50	ATAL FDP on Lean Thinking for Sustainable Business Practices	AICTE Training And Learning (ATAL) Academy, SRM Institute of Management and Technology	16 th August 2021 to 20 th August 2021	1 week (Virtual Mode)
YEAR 2022				
51	“Polymer Composite for Industry 4.0”	Department of Mechanical Engineering, VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad.	13 th June to 17 th June 2022	1 week (online)
52	“Impact lecture series session-1 entitled “The future of Leadership Development for Social Change in Education Landscape”	Capacity Building commission, GOI	9 th July 2022	1 day
53	“Impact lecture series session-1 entitled “Opportunities and challenges for Startups in India”	Karnataka Digital Economy Mission, GOK	9 th July 2022	1 day
54	“Analytical Techniques for Nanomaterials”	Sponsored by Meity GoI Organised by E&ICT Academy, NIT Warangal and JSSSTU, Mysuru	18 th to 25 th July 2022	2Week (40 hour online FDP)
55	“Smart Tools and Methodologies for Academic Research”	Department of ECE, Mahatma Gandhi Institute of	1 st to 5 th August 2022	1Week (Virtual mode)

		Technology, Hyderabad in association with Swech.		
56	One week Hands on Research Oriented Workshop on Design of Experiments”	Department of Mechanical Engineering, Vimal Jyothi Engineering college, Kannur, Kerala.	29 th August to 3 rd September 2022.	1Week (Virtual mode)
57	Two Day Hands-on Training workshop on Statistics, Visualization, Data Analysis and Modeling using JMP Software	Department of Industrial and Production Engineering in association with Department of Library, SJCE, JSS STU, Mysuru	12 th to 13 th September 2022	2 days offline mode
58	“Engineering Drawing Through Auto CAD”	Department of Mechanical Engineering, CVR college of engineering, Hyderabad	10 th to 15 th November 2022	1Week (Virtual mode)
59	Advanced Technologies for Emerging Research in Mechanical Engineering	Department of Mechanical Engineering, Annamacharya Institute of Technology & Sciences.	5 th to 9 th Dec 2022	1Week (Virtual mode)
60	Nanomaterials For Sustainable Future	Department of BasicScience and Humanities, GMR Institute f Technology, Rajam	12 th to 16 th December 2022	1Week (Virtual mode)
Year 2023				
61	“Scholarly publications: Tools & Techniques”	Organised by JSSSTU, MYSURU	6 th to 8 th Jan 2023	3 days offline
62	A hands on Apporoach to cyber security	Department of Computer Science and Engineering, JSS STU, SJCE, MYSURU.	19 th to 21 st April 2023	1 week
63	Future scopes for Additive Manufacturing in industrial and Biomedical Applications	Department of Mechanical Engineering, Aditya Engineering College,surampalem.	17 th to 21 st July 2023	1 week
64	“From Research to Publication”	Adhiyam Arts and Science college for Women, Krishnaggiri, Salem	04 to 11th SEP 2023	1 week
65	Short term training Program	Department of	09 to 13 th	1 week

	“Recent Advancements in Fuel cell and Hydrogen Storage”	Mechanical Engineering, Anurag University.	October 2023	
66	“IP Ecosystems in Academics – Perspectives and Impact”	Organised by IQAC, JSSSTU, MYSURU	17 th to 18 th October 2023	2 days offline
67	“Machine Learning Application for Mechanical Engineers”	Departments of Mechanical Engineering and Computer science and Engineering	18 to 23 rd December 2023	1 Week
Year 2024				
68	“Opportunities and Challenges in Entrepreneurship”	Conducted by JSSATE, Science and Technology Entrepreneurship Park, Bengaluru.	3 rd to 19 th January 2024	2 Week
69	Academia-Industry MoU Conclave	Organised by JSSSTU, MYSURU	19 th to 20 th January 2024	2 days
70	“Sustainable & Eco-Friendly products, Digital & E-commerce Businesses”	Conducted by JSSATE, Science and Technology Entrepreneurship Park, Bengaluru.	7 th to 24 th February 2024	3 Week
71	“Material Characterization and Optimization”	Department of Mechanical Engineering, CVR college of engineering	24 to 28 September 2024	1 Week
72	“Enhancing Academic Writing Skills with AI Tools and Managing Academic Accounts”	Organised by Library and Information Centre, JSSSTU, MYSURU	19 th to 21 st December 2024	3 days offline
Year 2025				
73	Conclave on Lean Manufacturing Practices	Mizuho India Japan Study Centre, IIMB Bangalore	03 rd Oct to 5 th Oct 2025	1 Week
74	Recent Advancement in Material Characterization	Department of Mechanical, Engineering, CVR College of Engineering, Telangana	23 rd to 27 th September 2025	1 Week
75	3D Printing and Additive Manufacturing	Department of Mechanical, Engineering, School of Engineering, Presidency University, Bengaluru	04 th August 2025 to 9 th August 2025	1 Week
76	Design Excellence: Mastering 2D and 3D Modelling with AutoCAD and Fusion 360	Department of Mechanical, Engineering, SJCE, JSSSTU, MYSURU	1 st April to 5 th April 2025	1 Week
77	Fundamentals of Mechanical Design Using 3D Experience”	Department of Mechanical, Engineering, SJCE,	10 th March 2025 to 14 th March 2025	1 Week

		JSSSTU, MYSURU		
78	Advanced Automation	NIE AITCE Idea lab, NIE, Mysuru	24th Feb 2025 to 1st March 2025	1 Week
79	Advanced Materials for Defence and Aerospace Applications	Department of Mechanical Engineering, Ballari Institute of Technology & Management, Ballari, Karnataka	27th January to 01st February 2025	1 Week
YEAR 2026				
80	STTP on “ Design for Manufacturing(DFM)Using SolidWorks”	Department of Mechanical Engineering, Padm. Dr. V. B. Kolte College of Engineering, Malkapur in association with ISTE Faculty Chapter of VBKCOE- Malkapur, IE (I) VBKCOE Local Chapter & IFS Academy, Pune.	12 th Jan to 17th Jan 2026	1 week
81	Atal FDP on “ Role of Power Electronics in Sustainable Transportation Systems	VNR Vignana Jothi Institute of Engineering and Technology	02/02/2026 to 07/02/2026	1 week online
82	Atal FDP on “ Stress Management and Productivity enhancement”	School of Technology	09/02/2026 to 14/02/2026	1 week online
83	QT-09 Engineering Foundations of Quantum Technologies	Electronics and ICT Academies at MNIT Jaipur, IIT Kanpur, IIT ROORkee, IIT Guwahati and IIITDM Jabalapur	April 10 to May 02, 2026	3 week online
84	Innovation and Applications of Energy Management and Renewable Energy in Buildings	Department of I & PE, SJCE, JSSSTU, MYSURU	1/09/2026 to 2/09/2026	2 days

Certification.

1. Successfully completed module course on Lean Manufacturing Practices (LMP) from March **2025** to November **2025** and **Certified as Lean Manufacturing Expert** Organised by Mizuho India Japan Study centre, Indian Institute of Management Bangalore (IIMB).

SWAYAM COURSES DETAILS OF SWAYAM COURSES COMPLETED

SL. No.	Course Name	Duration	Certification	Course Offered by
YEAR 2020				
1.	Automation in manufacturing	Sep – Dec 2020	Elite	IIT, Guwahati
2.	Entrepreneurship & IP Strategy	Sep – Nov 2020	Elite	IIT, Kharagapur
3.	Six sigma	Jan – April 2020 (12 Weeks)	78%	IIT, Kharagapur
4.	Operation Management	Jan – April 2020 (12 Weeks)	100%	IIT, Roorkee
5.	ARPIT Course for Career Advancement Scheme (CAS) Promotion on “Skills for New Education Architecture”	Feb 2020	C GRADE	Sant Gadge Baba Amaravti University
YEAR 2019				
1.	Toyota Production System	Aug-Oct 2019 (8 Weeks)	Elite	IIT, Roorkee
2.	Engineering Metrology	July-Oct 2019 (12 Weeks)	Elite	IIT, Kanpur
3.	Introduction to Research	Feb- April 2019 (8 Weeks)	Elite	IIT, Madras
4.	ARPIT Course for Career Advancement Scheme (CAS) Promotion on “Pedagogical Innovations and Research Methodology”	March 2019	B GRADE	Guru Jambheshwar University of Science & Technology Hisar

COORDINATED FOR FOLLOWING ACTIVITIES

- Worked as one of the coordinator for Swacchta Pakhwada programme held from 1st September to 15th September 2017.
- Coordinated as volunteer for the event “NATIONAL CONVENTION OF QUALITY CIRCLES” (NCQC) organized by JSS Science and Technology University in association with Quality Circle Forum of India from 1st to 3rd December 2017 at JSS TI Campus, Mysuru.
- Worked as volunteer in felicitation committee under the guidance of Dr. Savitha M for 8th Graduation day
- Participated in International Yoga Day representing SJCE held in Mysore Racecourse for Guinness record.

- Coordinator for one day Seminar on “Renewable Energy” by Mr. Dinesh Kumar, KREDL, Mysuru Organized by Department of Industrial and Production Engineering, S.J.C.E, Mysuru in association with KREDL, MYSURU on 16th August 2019.
- Coordinator for one week Faculty Development Program on “Advanced Quality Approach for Industry 4.0” sponsored by TEQIP-III and organized by the Department of Industrial and Production Engineering, S.J.C.E. Mysuru from 19th – 23rd August 2019.
- Coordinator for Invited Talk on “Management of memory and concentration – challenges and opportunities” by Dr. Hanumanthachar Joshi, Professor and Principal, Sarada Vilas College of Pharmacy, Mysuru sponsored by TEQIP-III and organized by the Department of Industrial and Production Engineering, S.J.C.E. Mysuru on 17th September 2019.
- Delivered lecture (Twinning Program) in one week Faculty Development Program on “CNC Training and CAE” sponsored by TEQIP-III and organized by the department of Mechanical Engineering and Department of Industrial and Production Engineering, S.J.C.E. Mysuru from 1st - 05th August 2019.
- Attended Final Project Viva voce Examination as an External Examiner for UG students in the department of Industrial and Production Engineering, NIE, Mysuru on 6th June 2019.
- Member of Departmental Academic Integrity Panel (DAIP).
- Departmental NBA and ERP coordinator.
- Departmental co-ordinator of COVID CELL.
- MIE Life Member - Institution of Engineers (India).
- Member of
- Organized invited talk on Lean Manufacturing and Leadership on 15th December 2023
- Organised Alumni Talk in Feb 2026
- Delivered talk on LEAN AND SUSTAINABLE PRODUCTION Training on 02 June 2026 as a part of Environment Day

INDUSTRIAL VISITS

- Accompanied students for Industrial visit “The Indian Machine Tool Exhibition”, 2017 in Bengaluru on 28.1.2017
- Accompanied students for Industrial visit “Nandini Hi-Tech product plant” on 13-04-2017. Channarayana Patna tq. Hassan Dist.
- Accompanied students of Industrial and Production Engineering and Electronics and

Communication Engineering for Industrial visit to “Automotive Axles Limited”, Mysuru on 22nd August 2019.

- Accompanied students of Industrial and Production Engineering for DF(X) SC MART Carnival in Skanray Technologies, Mysuru on 6th December, Friday, 2024.

ACADEMIC EXPERIENCE

- From August 2014 to October 2016 (**2 year 2months**) , worked as Senior Teaching Fellow (Visiting) in the Department of Industrial & Production Engineering, Sri Jayachamarajendra College of Engineering (SJCE), Mysore.

INDUSTRIAL EXPERIENCE

- Apprentice Training in BEML, Mysuru during 2006 – 2007.
- Four Year experience as **Quality Supervisor** at Unilog Content Solutions, Mysuru from August 2007- July2011.