


CURRICULUM VITAE & PUBLICATIONS LIST

1. Name		: Dr. C. S. SURESH BABU			
2. Date of Birth		: 10 - 07 - 1966			
3. Specialization		: Micro Systems, Instrumentation and Controls, Signal Conditioning Circuits and Process Automation			
4. Highest Qualification		: Ph.D. (MEMS)			
5. Marital Status		: Married			
6. Address for Correspondance :					
Office : Associate Professor Dept of Electronics and Instrumentation Engineering Malnad College of Engineering Hassan – 573 202 Email: css.acharya@gmail.com			Residence : # 3063, Hamsa Nilaya 2 nd Cross, Lakshmi Puram Extension Hassan- 573 201 Mob: 98445 53455		
7. Education :					
Qualifications	Board / University	Institute and place	Year of passing	Class / % marks	
B.E	Mysore University	MCE, Hassan	1989-90	First / 60.3	
M .Tech	Autonomous	IIT, Kharaghpur	1996-98	7.47 (CGPA)	
Ph.D	VTU	MSRIT, Bangalore	2011-2020		
8. Date of Joining		: 03 - 04 -1990 (Temporary) 23 - 04 -1993 (Permanent)			
9. Working Experience :					
As temporary Faculty		3 years			
As permanent faculty		29 + years			
10. Present Status :					
		Associate Professor			
		Department of Electronics and Instrumentation Engineering			
		Malnad College of Engineering, Hassan.			

11. Achievements since date of joining:

FD	R&D	No. of Publications	Awards	Books / Monograph	Conferences / Seminars	Extracurricular activities	Admin TEQIP
41	UG/ Research projects	21	10	01	45	07	YES

FACULTY DEVELOPMENT:

TRAINING / WORKSHOP ATTENDED FOR RESEARCH DOMAIN:

	Workshop / FDP / Training Programme / Conferences	Organizers/ Venue	Date/ Duration
1	TEQIP-III sponsored One Week FDP on MEMS and MOEMS	Department of Electronics and Communication Engineering, Malnad College of Engineering, Hassan	30 th April - 04 th May 2018
2	AICTE sponsored 2 weeks FDP on Formulation, Modeling of and Practical applications of Operation Research	Department of Mechanical Engineering, Malnad College of Engineering, Hassan	25 th May - 6 th June 2015
3	AICTE sponsored 2 weeks FDP on Processing and characterization of composite materials including natural fiber reinforced composites	Department of Mechanical Engineering, Sri Sai Ram Institute of Technology	18 th - 31 st March 2015
4	INUP Hands - on Training Workshop on "Nanofabrication Technologies"	Centre for Nano Science and Engineering, Indian Institute of Science, Bangalore	3 rd - 12 th February 2015
5	INUP Familiarization workshop on "Nanofabrication Technologies"	Centre for Nano Science and Engineering, Indian Institute of Science, Bangalore	28 th - 30 th January 2015
6	One week FDP on Analytical and Numerical; Techniques on Applied Mathematics and Engineering	Department of Mathematics, Malnad College of Engineering, Hassan	28 th July - 02 nd August, 2014
7	Seventh ISSS International conference on "Smart materials, structures & systems " (ISSS - 2014)	Department of Electrical Communication Engineering, Indian Institute of Science, Bangalore	08 th - 11 th July 2014,
8	2 days workshop on "Comsol Conference"	The Console Multi physics India Limited at, Bangalore 560054	17 th -18 th Oct 2013.
9	3 Day IEEE workshop on "Nano Technology and Micro/Nano Sensors".	Center for Nano Science and Engineering, Indian Institute of Science, Bangalore	19 th – 21 st September 2013.
10	One day national workshop on Patents and Innovations	Department of Instrumentation Tech. Malnad College of Engineering	31st August 2013
11	5 days workshop on Training on a MEMS CAD tool "Intellisuite - V 8.2"	Sridutt Technologies Private Limited Bangalore at Sridutt Technologies Private Limited, Bangalore-76	01 st - 05 th August 2013.
12	3 days Workshop on "Research Methodologies and latex".	VTU E-Learning Centre, Mysore at Ghousia College of Engineering, Ramanagara	27 th to 29 th July 2013
13	3 Days workshop on "Micro & Nano Technology".	Department of Electrical and Electronics Engg, M S R I T, Bangalore	25 th - 27 th April 2013.
14	MEMS design software training program	MEMS design centre, NITK, Surathkal under NPMASS	30 May - 4 June 2011
15	3 days FDP on Nanoelectronics and nanotechnology	Department of Electrical and Electronics Engg, M S R I T, Bangalore	3 rd – 5 th March 2011
16	One day course on Nano Science and Technology	ASM international Chennai Chapter Indian Institute of Technology Madras, Chennai	25 th April 2010

TRAINING / WORKSHOP ATTENDED FOR SUBJECT DOMAIN:

	Workshop / FDP / Training Programme / Conferences	Organizers	Date/ Duration
1	Two days National Workshop & Hands on Training on Recent trends in 3D Printing Techniques applied to Automobile & Aerospace applications	Department of Mechanical Engineering, S.A. Engineering College, Chennai	21 st -22 nd August 2019
2	Faculty Development programme on Applied Sensor Technology	TEQIP-II phase, MCE Hassan at Bosch Rexroth, Bengaluru	27 th – 28 th March 2017
3	CE and QIP course on "End to End Innovations"	TEQIP-II phase, MCE Hassan at TATA Center Lab, IIT Bombay.	7 th -11 th March 2017
4	3 days workshop on Labview for research in Power Systems and Power Electronics	M S Ramaiah Institute of Technology, Bangalore and National Instruments	23 rd - 25 th July 2015
5	1 day Pre-conference workshop on Advances in RF and Terahertz Technologies	Department of Telecommunication Engineering, MSRIT, Bangalore	29 th November 2014
6	TEQIP-II sponsored FDP on "Embedded System Design Using ARM 7 & TMS320C6713".	Department of Instrumentation Technology, Sri Jayachamarajendra College of Engineering, Mysore	14 th – 18 th July 2014.
7	3 days Workshop on "Research Methodologies and latex".	VTU E-Learning Centre, Mysore at Ghousia College of Engineering, Ramanagara	27 th to 29 th July 2013
8	3 days workshop on Deriving Program Educational objectives / Program Out comes / Course Outcomes/ Assesments for NBA self Assesment report	Malnad College of Engineering, Hassan	11-13th July 2013
9	Special Training on Train the trainer Program on Industrial Automation Technology	Bosch Rexroth AG Drive and Control Academy, Wurzbug, Germany,	8 th - 12 th August 2011
10	Training on Train the trainer Program on Industrial Automation Technology	Bosch Rexroth at VTU-BR CoC	6 th Dec- 6 th Jan 2011
11	Complementary Seminar on MATLAB and Simulink for Engineering Education	Mathworks India at Bangalore	11th November 2010
12	Work/Examination Stress management	Dept. of E and E Engg. M.C.E, Hassan	17th March 2009
13	Role of teacher in Character Building and Personality Development	Dept. of Training and Placement, MCE Hassan RIMSE, Mysore	17 th & 18 th May 2008
14	Challenges in PhD & MSc(Engg) Research at Engg. Colleges	Research Center, MCE, Hassan	26 th Feb 2008
15	Value Inculcation in Engineering Education	Dept. of Training and Placement MCE, Hassan	30 th April – 1 st May 2007
16	Digital System Design using VHDL	Dept. of E & C, MCE Hassan	16 th Sept - 2006
17	Control systems Applications in MATLAB	Dept. of ICE, MIT, Manipal	27 th – 28 th January 2006
18	Training Programme on Embedded System Design	Dept. of Instrumentation Technology MCE, Hassan	29 th Sept- 6 th Oct 2005
19	PLC Engg. & DCS Overview	YOKOGAWA India Ltd. Bagalore	25 th - 29 th July 2005
20	FEEL Teacher	College for Leader ship and Human Resource Development (CLHRD), M'ore	01 st – 05 th July 2005

SUMMER/WINTER SCHOOLS ATTENDED:

	Course	Venue	Date
1	Rehabilitation Engineering	S.J. C. E. Mysore	Dec. 20 th – 21 st 2008
2	Recent trends in Material science and Mathematical modeling	SJCE, Mysore	Aug 28 th Jul - 9 th 2003
3	Virtual and Intelligent Instrumentation	KIT, Coimbatore	May 21 th - June 2 nd 2000
4	Object oriented and Visual Programming	NMAMIT, Nitte	January 17 th – 29 th 2000
5	1999Electronic Energy Meters, Pros & Cons	MCE, Hassan	May 29 th 1999
6	Robotics for Industrial Applications	MCE, Hassan	March 15 th - 27 th 1999
7	Fuzzy logic and Neural networks in Chemical Process Automation	KREC, Surathkal	February 15 th - 27 th 1999
8	Fuzzy Decision Making and Logic Programming	IIT, Kharagpur	June 23 th - 30 th 1997
9	Instrumentation, Control and Guidance	MCE, Hassan	March 04 th -16 th 1996

MONOGRAPH:

1. A Lab Manual for under graduate course “ Data Acquisition and Control systems”

LIST OF PUBLICATIONS:

Referred Journals:

1. C. S. Suresh Babu, Premila Manohar, **Studies on effect of corrosion for the selection of material of self-compensated capacitive type liquid level sensor**, Applied Mechanics and Materials (AMM), Volume 895, February 2019, pp. 230-236.
2. C. S. Suresh Babu, Premila Manohar, **Self-calibrated non-contact capacitive type level sensor for liquid at different temperatures**, International Journal of Mechanical Engineering and Technology (IJMET), Volume 10, Issue 01, January 2019, pp. 296–305.

International Conferences:

1. C. S. Suresh babu , Premila Manohar., **Studies on effect of corrosion for the selection of material of self-compensated capacitive type liquid level sensor**, International Conference on Green Trends in Mechanical Engineering Sciences(GTMES - 2018), pp , August 2018.
2. C. S. Suresh Babu, B. B. Neelakantappa, Sunitha P, Geetha Kiran A, **Good Practices for better education in a Technical Institution**, International Conference on Transformation in Engineering Education (ICTIEE), University of Noida, India, January 4 -6, 2018.

3. B. B. Neelakantappa, C. S. Suresh Babu , Sunitha P, Uma B, **Recent trends and challenges in campus placements of engineering institutions”**,, **International Conference on Transformation in Engineering Education (ICTIEE)**, University of Noida, India, January 4 -6, 2018.
4. C. S. Suresh babu , Premila Manohar., **Design of a switching unit for fringe capacitance based smart sensor for multi threshold liquid level monitoring**, **International Conference on Smart Sensors and Systems (IC-SSS)**, pp 1 - 6, December 21-23 2015.
5. C. S. Suresh Babu, Premila Manohar, **Design of Self Compensated Non Contact Type Capacitive Sensor for Liquid Level Control with enhanced sensitivity - A Novel Approach**, Proceedings of 23rd International conference on Processing and fabrication of Advanced Materials(PFAM-2014), Indian Institute of Technology Roorkee, pp 580-588, December 5-7, 2014.
6. C. S. Suresh babu, Premila Manohar., **Design of a low cost signal conditioning circuit for self-compensated non contact capacitive type multi threshold liquid level sensor**, IEEE International Conference on Circuits, Communication, Control and Computing (I4C), pp 58 - 63, November 21-22, 2014
5. C. S. Suresh Babu, Chaitra V.T and et.al, 2009, **Design of High Resolution Interface circuit and Self Compensative non contact capacitive sensors for liquid level control**, proceedings of IEEE International conference on Sensors, Security, Software and Intelligent systems (ISSIS 2009), organized by Coimbatore Institute of Technology, and Oklahoma State University, USA, 08th – 10th January 8 - 10, 2009.
6. C. S. Suresh Babu and Somesh D.H, 2006, **Design of Self Compensated non Contact Capacitive Sensors and Proficient Signal Conditioning Circuit for Self Compensated Non Contact Multi Threshold Liquid Level Control – A Novel Approach**, IEEE International conference on Industrial Technology (ICIT 2006), organized by IEEE Industrial Electronics Society, IIT Bombay, pp. 1931 - 1936, December 15 - 17, 2006.
7. C. S. Suresh Babu and Y.M.Shashidhar, 2006, **An Intelligent On line Mileage indicator for New generation Automobiles**, IEEE International Conference on Industrial Technology (ICIT 2006), organized by IEEE Industrial Electronics Society, IIT Bombay, pp. 2250 - 2255, December 15 - 17 2006.

National Conferences:

1. C. S. Suresh babu, Premila Manohar., **Design of fringe capacitance based low cost dual mode sensor for pick and place robot – A Novel approach**, Proceedings of National conference on Zen and Tao of Electrical and Electronics Engineering, MSRIT, pp. 102-107, January 2014

Note: This paper has secured the **“Best paper Award”**.

2. C. S. Suresh Babu, Babitha.K.P and et.al, 2009, **Talky Fare Meter for Visually Challenged People**, Proceedings of Sixth National conference on Control Instrumentation System (CISCON-2009) organized by Dept. of ICE, MIT, Manipal, November 06 - 07, 2009,.
Note: This paper has secured the **“Best paper Award”**.
3. C. S. Suresh Babu, Rakshith and et.al,2009, **Programmable Logic Controller based Automated Soft Drink Plantsually Challenged People**, Proceedings of Sixth National conference on Control Instrumentation System (CISCON-2009) organized by Dept. of ICE, MIT, Manipal, November 06-07, 2009.
4. C. S. Suresh Babu and Y.M.Shashidhar, **A Low Cost RFID based Security Systems for Automotive Cars**, Proceedings of National conference on Recent developments in Mechanical Engineering,(RDME – 09), organized by Dept. of Mechatronics, Sree Chitra Thirunal College of Engineering and College of Engineering, Trivandrum, March 05-06, 2009.
5. C. S. Suresh Babu, Chaitra V.T, and et.al, **Design of Interface Circuit for Capacitive Sensors of Low sensitivity**, Proceedings of Fifth National conference on Control Instrumentation System (CISCON-2008), organized by Dept. of ICE, MIT, Manipal, Nov.07-08, 2008.
6. C. S. Suresh Babu, Gowthami. S. and et.al, **RFID based Electronic Key for cars**, Proceedings of Fifth National conference on Control Instrumentation System (CISCON-2008), organized by Dept. of ICE, MIT, Manipal, November 07-08, 2008.
7. C. S. Suresh Babu, Bhavan Thimmaiah and et.al, **An Electronic system for new generation Automobiles**, Proceedings of 12th Annual conference of Vijnana parishad of India and National Symposium on Applications of Special functions”(ACVPI-2007) organized by Dept. of Mathematics and statistics, Jodhpur, Rajasthan, December 25 - 27, 2007.
8. C. S. Suresh Babu, Somesh D.H. and et.al, **Proficient Signal Conditioning Circuit for Self Compensated Non Contact Capacitive Sensors – A Novel Approach**, Proceedings of National conference on “Recent Advances in Process Control and Instrumentation Engineering”(RAPCIE-2006) organized by Dept. of USIC, Kurukshetra, February 23 - 25, 2006.
9. C. S. Suresh Babu, Aravind. S. and et.al, **A Smart System for Online Mileage Indication in Automobiles**, Proceedings of National conference on Recent Advances in Process Control and Instrumentation Engineering (RAPCIE-2006) organized by Dept. of USIC, Kurukshetra, February 23 - 25, 2006.
10. C. S. Suresh Babu, Somesh D.H. and et.al, **Self compensated non contact capacitive sensors in multi threshold level control for liquids**, Proceedings of a Second National conference on Control Instrumentation System,(CISCON-2005), organized by Dept. of ICE, MIT, Manipal, November 11 - 12, 2005.

AWARDS:

1. Awarded as the "**Best Project Guide**" for the project entitled "**MEMS Accelerometer based Electronic Security System for riders engaged in cell phones**" for the academic year 2018 - 19 at Department of Instrumentation Technology, Malnad College of Engineering, Hassan.
2. Awarded as the "**Best Project Guide**" for the project entitled "**MEMS Accelerometer based Hand gesture Recognition**" for the academic year 2017-18 at Department of Instrumentation Technology, Malnad College of Engineering, Hassan.
3. Awarded as the "**Best Project Guide**" for the project entitled "**A Braille Script learning aid for visually challenged**" for the academic year 2015 - 16 at Department of Instrumentation Technology, Malnad College of Engineering, Hassan.
4. Awarded as the "**Best paper**" for research based paper entitled "**Design of Fringe Capacitance based Low cost Dual mode Sensor for Pick and place Robot Hand - A Novel approach**" in National Conference on ZEN and TAO of Electrical and Electronics Engineering held at M. S. Ramaiah Institute of Technology, Bangalore during January 7-9, 2014.
5. Awarded as the "**Best Project Guide**" for the project entitled "**Design of high switching speed interface circuit for Non-contact Fringe Capacitive type liquid level sensor with enhanced resolution**" for the academic year 2014 - 15 at Department of Instrumentation Technology, Malnad College of Engineering, Hassan.
6. Secured the "**4th place**" for the project entitled "**Agri Robot - Automated Smart Sowing Machine for Port trays**" in "**TechTop - 2010, a National Innovation Contest for Engineering students**" held at Technopark, Trivendrum on July 30 - 31, 2010.
7. secured the "**Best paper award**" for a technical paper based on the project "**Talky fare meter for visually challenged people**" in the Sixth National Control Instrumentation System conference(CISCON-2009) held at MIT, Manipal on November 06 - 07, 2009.
8. secured the **National Level Award (3rd place)** for the final year project titled '**Self calibrated technique in liquid level control using non contact capacitive sensors**' in the **National Project Presentation and Competition**, organized by APS College of Engineering, Bangalore, held on June 18, 2005.
9. Secured the **National Level Award (4th place)** for the final year project titled '**Online Mileage Indicator**' in the **National Project Presentation and Competition**, organized by APS College of Engineering, Bangalore, held on June 12 - 13, 2004.
10. secured the **National Level Award (First Place)** for the final year project titled '**Detection of label and text of the packs meant for domestic products**' in the **National Project Presentation and Competition**, organised by APS College of Engineering, Bangalore, held on June 27 - 28, 2003.

Note: This project has also secured the **Appreciation certificate** from **Shristi 2003** a state level techno-management fair held at PESIT campus Bangalore, on June 5 - 8, 2003.

KSCST SPONSORED PROJECTS:

1. A final year project titled '**On line Tire pressure monitoring system**' has been **sponsored** and **appreciated by KSCST** during the academic year **2006 -2007**
2. A final year project titled '**Automated Tobacco curing plant**' has been **sponsored** and **appreciated by KSCST** and has also been selected for **KSCST exhibition** During the academic year **2005 -2006**
3. A final year project titled '**Electronic Security for Automobiles**' has been **sponsored** and **appreciated by KSCST** and has also been selected for **KSCST exhibition** during the academic year **2004 -2005**
4. A final year project titled '**Detection of foreign particles in reusable bottles**' has been **sponsored** and **appreciated by KSCST** and has also been selected for **KSCST exhibition** During the academic year **2003 -2004**

HONORS :

- Honored as **Session Chair person** in 23rd International Conference on Processing and fabrication of Advanced materials, held at Indian Institute of Technology, Roorkee during 05th - 07th December, 2014.
- selected by institution for the training program on "**Train the Trainer for Industrial Automation Technology**" organized by **Bosch Rexroth India Limited - Drive and Control Technology**, Bangalore held during the period December 6th 2010 to January 6th 2011 at VTU – BR Centre of Competence in automation Technology, Mysore.
- Deputed on behalf of electrical science domain by institution as well as Bosch Rexroth for the **Special Training program** held from 8th to 12th August 2011 at Bosch Rexroth AG Drive & Control Academy, Wurzburg, Germany.

TECHNICAL TALKS DELIVERED :

- Technical talk on the **Micro Systems and its Case studies** in TEQIP sponsored Three day workshop on "**MEMS and its applications**" held on 27th – 29th September 2016, organized by Department of Telecommunication Engineering, Sri Siddhartha Institute of Technology (SSIT), Tumkur.
- Technical talk is delivered on the "**Role of Control Systems in Industrial Applications**" in **AICTE - ISTP** sponsored STTP on "**PLCs and SCADA**" held on 8th – 20th March 2006, organized by Smt. L.V. Polytechnic, Hassan.

SEMINARS / CONFERENCES ATTENDED:	
1	International Conference on Smart Sensors and Systems (IC-SSS - 2015) , organized by Department of Electrical and Electronics Engineering, MSRIT, held during December 21-23 2015.
2	23 rd International conference on Processing and fabrication of Advanced Materials(PFAM-2014) , organized by Indian Institute of Technology, Roorkee, held during December 5-7, 2014.
3	IEEE International Conference on Circuits, Communication, Control and Computing (I4C) , organized by Department of Electrical and Electronics Engineering, MSRIT, Bangalore, held during November 21-22, 2014
4	Seventh ISSS International conference on Smart materials, structures & systems (ISSS - 2014) organized by Department of Electrical Communication Engineering, Indian Institute of Science , Bangalore held on July 8 - 11 2014.
5	National conference on Zen and Tao of Electrical and Electronics Engineering , Department of Electrical and Electronics Engineering, MSRIT, January 2014.
6	Sixth National conference on Control Instrumentation System (CISCON-2009) organized by Department of Instrumentation and Control Engineering, MIT, Manipal, held during November 06 - 07, 2009.
7	National conference on Recent developments in Mechanical Engineering,(RDME – 09) , organized by Dept. of Mechatronics, Sree Chitra Thirunal College of Engineering, Trivandrum, held during March 05 - 06, 2009.
8	IEEE International conference on Sensors, Security, Software and Intelligent systems (ISSIS 2009) , organized by Coimbatore Institute of Technology, and Oklahoma State University, USA, held during January 8 - 10, 2009.
9	Fifth National conference on Control Instrumentation System (CISCON-2008) , organized by Department of Instrumentation and Control Engineering, MIT, Manipal, held during November 07-08, 2008.
10	12 th Annual conference of Vijnana parishad of India and National Symposium on Applications of Special functions”(ACVPI-2007) organized by Dept. of Mathematics and statistics, Jodhpur, Rajasthan, December 25 - 27, 2007.
11	Conference on “ Virtual Instrumentation and Labview ” organized by Natinal Instruments held at Bangalore
12	Seminar on “ Intellectual Property Rights “ organized by STEP, Malnad College of Engineering, held on March 9, 2007
13	IEEE International conference on Industrial Technology (ICIT 2006) organized by IEEE Industrial Electronics Society, at IIT Bombay, held on December 15 - 17, 2006.
14	National level conference on “ Recent Advances in Process Control and Instrumentation Engineering”(RAPCIE-2006) organized by Dept. of USIC, Kurukshehra ,held on Feb 23-25, 2006.
15	National level conference on “ Control Instrumentation System”(CISCON-2005) organized by Dept. of ICE, MIT,held on November 11-12, 2005.
16	“ National Project Presentation and Competition ” (NPPC) seminar held at APS College of Engineering Bangalore during June 18 2005.
17	“ National Project Presentation and Competition ” (NPPC) seminar held at APS College of Engineering Bangalore during June 12 - 13, 2004.
18	“ National Project Presentation and Competition ” (NPPC) seminar held at APS College of Engineering Bangalore during June 27 - 28, 2003.
19	State level Project exhibition “ Shrishti ” which is held at PESIT, Bangalore, organized by ABVP.

EXTRA CURRICULAR ACTIVITIES:

[1] LIFE MEMBERSHIP:

Life member (since 2014) of **Institute of Smart Structures and Systems (ISSS)** - a professional scientific body formed in 1998 to work towards advancement of Science and Technology related to Smart Structures, Materials and systems

[2] RECOGNITION FOR RESEARCH WORK:

Research proposal of Ph.D work which comprises of the design of level sensor in micro domain was presented during the event INUP Hands - on Training Workshop on "Nanofabrication Technologies" held from 3rd - 12th February 2015 at Indian Institute of Science, Bangalore. The proposed work has been approved for the fabrication at Center for Nano Science Engineering (CeNSE) Lab, Indian Institute of Science, Bangalore with financial assistance from INUP (Indian Nano Science User Program).

[3] SIGNIFICANT CONTRIBUTIONS TO THE DEPARTMENT:

Facilities Created:

- **Micro Systems Simulation Lab:**

Taken an initiation to set up a micro systems simulation lab, comprises of a MEMS software tool **Intellisuite[V-8.1]** which is purchased from VTU, Belagavi in an academic year 2010-11.

- **Up-gradation of Micro Systems Simulation Lab:**

Up-graded the simulation lab during academic year 2015 - 2016 with the financial assistance of TEQIP-II phase by replacing the MEMS tool of version 8.1 by version 8.8.

Objective: To meet the requirement of research activities in MEMS which is an exciting area of scientific development that promises breakthroughs in all kinds of fields and also to give an exposure of this emerging field to UG students.

- **Configuration of new/existing laboratories** as per the requirement of VTU/Autonomous syllabus.

- Process controls instrumentation lab (Signal conditioning circuits lab)
- Control systems lab
- Process Instrumentation lab

[4] SIGNIFICANT CONTRIBUTIONS TO THE INSTITUTION:

- **Coordinator for MCE-Bosch Rexroth Regional centre of competency in Automation Technologies**

The following training programs have been conducted for UG/PG students as well as faculties to give an exposure to both domains, role of PLCs and Pneumatics, Hydraulics components in Industrial automation.

- Training Program on **Application of pneumatics and Hydraulics in industrial automation** held during 27th to 30th November 2015
- Training program on **Role of Pneumatic and Hydraulics in manufacturing industries** [for PG students from Industrial Automation and Robotics course] during 27th to 30th November, 2014

- Training program on **Pneumatic and Hydraulics in manufacturing industries** [for the students from Diploma, ITI and GTTC of Mechanical sciences Background] during 03 – 05 November, 2014 for about three days,
- Training program on **PLC & its applications in industrial automation** held from 30th April to 2nd May 2014
- Training program **Hydraulics and pneumatics in industrial automation** 27th-29th January 2014
- Training program on **Role of PLCs in industrial automation** held during 30th May to 3rd May 2012
- Training program on **Role of PLCs in industrial automation** held during 26th April to 29th April 2012
- Focus on **Hydraulics and Pneumatics based Control system components for Industrial Automation** held during 09th Feb 2012 to 11th Feb 2012

[5] COORDINATOR OF TRAINING PROGRAMS/ WORKSHOPS:

- One week TEQIP sponsored workshop on **PLCs, Hydraulics and Pneumatics in industrial automation and its applications in industrial Automation** held on 27th April to 1st May, 2018
- Two days TEQIP sponsored training program on **PLCs and its applications in industrial Automation** held on March 23 - 24, 2017
- For State level symposium on **“Emerging Trends in control and Instrumentation”** held on September 1 - 2, 2006.

[6] PARTICIPATION IN UNIVERSITIES / ACADEMICS ACTIVITIES:

- BOS and BOE member of Department of Electronics and Instrumentation Engineering, MCE-an Autonomous institution affiliated to VTU, Belagavi since 2008.
- For Visveswaraya Technical University (VTU), Belagaum during the academic year 2007 - 08.
- For Kuvempu university during the academic year 2003 - 04.

[7] OTHER CONTRIBUTIONS:

- **Mentor** of MERIISE, MCE, Hassan
- An **active member** of **certificate/ invitation committee** of events - Graduation Day/Best project awardees/Best Project guides/Alumni day (Nenapina Dhoni)
- **Coordinator** of **Network activity** for TEQIP- Phase 1.
- An **Active member** of **editorial board** College magazine - **Tantrika Taranga** and College **Souvenir** (VTU 6th Athletic meet).
- An **Editor** as well as **Designer** for the **“MCE News Letter”**.
- Active member of **Malnad Alumni Association (MAA)** on behalf of IT Dept.
- Member of **CDC committee / anti ragging** committee

(C. S. Suresh babu)