

PART-B

1. List of Publications:

Sl. No.	Title	Name of the Journal, Vol. No., Year	ISSN/ISBN/Number
1.	Computer Aided Design of Machine Tool Gear Box	Journal of National Design and Research Forum	National Level April-June, 1993. pp-1972-1976
2.	Pressure Sensor Based Event Data Recorder	IJMERE	ISSN: 2249-6645, volume 2, issue 4, July-Aug-2012
3.	Design and Fabrication of Prototype of Automated Smart Car Parking System using PLC	IJSET	Sept-2013 Volume 2, Issue 9, 857-860
4.	Design and Fabrication of Mobile Phone Controlled Four Legged Walking Robot.	IJCER	ISSN 2250-3005 , July-2013 Volume 3 Issue 7
5.	Application of Distributed Control System in Automation of Process Industries	IJETAE	ISSN 2250-2459 June-2012 Volume-2 Issue-6
6.	Automatic Punching Machine – A low cost approach.	IJAME	June 2015 Volume 2 Issue 1 ISSN 2250-3234 Pp509-517
7.	Automatic path detection and navigation of vehicle based on image processing technique	IJIRT	ISSN: 2349-6002
8.	Automated shopping and billing with product inventory management system	IJIRT	ISSN 2349-6002
9.	Real time monitoring of temperature and Humidity in Green House	IJSART	ISSN(online):2395-1052
10.	Development of Autonomous Robot for Menace Area in Manufacturing Facilities	IJSART	ISSN(online):2395-1052
11.	Design and Fabrication of Three Direction Pick and Place Robotics Arm	IJSART	ISSN(online):2395-1052
12.	Design and Fabrication of PLC and SCADA based Robotic Arm for Material Handling	IRJET	e-ISSN; 2395-0056 p-ISSN;2395-0072
13.	Design and Fabrication of Three Direction Pick and Place Robotics Arm	IJSART	e-ISSN; 2395-0056 p-ISSN;2395-0072
14.	Smart Traffic Control System Using PLC and SCADA	IRJET	e-ISSN; 2395-0056 p-ISSN;2395-0072

15.	Intellectual 4 way Traffic Control System Using PLC and SCADA	IRJET	-ISSN; 2395-0056 p-ISSN;2395-0072
16.	Leaf Disease Detection Using Deep Learning and Automatic Pesticide Dispensing Using Six Wheel Robot	JETIAR	www.jetir.org ISSN-2349-5162 Volume-6 Issue-6 June-2019
17.	Automation of Control and Safety Systems for Crude oil Extraction by Hydraulic Fracture	IJCRT	ISSN: 2320-2882 Journal Volume: 5 Issue No.: 6 Paper ID: IJCRT2006006
18.	Automation and supply of Distributed Control Systems for crude oil field industries	IRJET	29-June-2020 Journal Volume: 7 Issue No.: 6 Paper ID: FTP762544
19.	Assembly Automation and Human Machine Interface (HMI) Implementation for Rotary	IRJET	ISSN: 2395-0056 28-July-2020 Journal Volume: 7 ID: FTP772633

2. **Responsibilities in the Department and Institute / University:** (DAC,DPC, BOS, etc., Institutional Governance responsibilities like, Dean, Chief warden, Warden, HOD's, School/Centre Chairperson, IQAC Coordinator etc.)

Sl. No	Responsibilities
1.	Member BOE (I &P) VTU, PG-IAR BOE,BOS,
2.	PG-Coordinator for Industrial Automation and Robotics
3.	DST-FIST coordinator, Member Project Implementation Group
4.	MCE-Bosch Rexroth Regional Centre for Automation Technologies - Coordinator
5.	MCE consumer cooperative Society - Adviser
6.	Academic Council Member (2020-2023)

3. **Details of Teaching Related Activities :**

Kinds of Teaching-related Activities	Year	Nature of your Contribution
a. Design of Curriculum	2003	Actively Involved in preparing PG Syllabi for Industrial Automation and Robotics for VTU, Belgaum. Syllabus for Rapid Prototyping (UG-Mech).

b. Teaching Methods		
c. Laboratory Experiments		1.CIM & Automation Lab (CAE)
d. Evaluation Methods		
e. Preparation of Resource Material Including Books, Reading Materials, Laboratory Manuals, etc.,		Preparation of Lab Manuel's related to 1.CIM & Automation Lab (CAE) 2.Computer Aided Modeling and Analysis Lab 3. Pneumatics and Hydraulics Lab.
f. Remedial Teaching/ Student Counseling (Academic)		
g. Any Other	2009	PG-Coordinator ,M.Tech, Industrial Automation and Robotics, Department of Mechanical Engineering
	2008	Coordinator –Central CAD/CAM Laboratory, Department of Mechanical Engineering

08. Details of Training /Faculty Improvement/Professional Training/Further Study Undergone

Professional Development Activities		
	<p>Membership in profession related committees at state and national level</p> <p>a) At International b) At national level: c) At state :</p>	<p>Life Member Indian Society for Technical Education affiliated to AICTE</p> <p>Member of Institution of Engineers</p> <p>LIFE member of Engineering Design Analysis Forum (EDAF)</p> <p>Elected member for the year 2014-2017 Mysore Local Chapter (Production Engineering)</p>
	Participation in subject associations, conferences, seminars without paper presentation	
	Participation in short term training courses less than one week duration in educational technology, curriculum development, professional development, Examination reforms, Institutional governance	<p>Refresher course on conducting CAD/CAM Laboratory classes for Technical Staff of Engineering Colleges.- (State Level)</p>

PART-C

RESEARCH, PUBLICATIONS AND ACADEMIC CONTRIBUTIONS

1. Published Papers in Journals

Sl. No.	Title	Journal with Vol. Year & Page No.	ISSN / ISBN No.	Whether peer reviewed. Impact factor, if any	No. of Co-authors	Whether you are the main author or Guide / mentor
1						

2. Training Courses, Teaching-Learning-Evaluation Technology Programs, Faculty development Programmes CONDUCTED

Sl. No.	Name of Course/Summer/Winter School-	Duration	Role and Organized By
1.	Computational Methods in Mechanical Engineering- (National level)	19-24,Dec,2005	Committee Member ,MCE, Hassan
2.	Basics of CAD.CAM Tools-(State level)	14-19,Aug,2006	Coordinator, MCE, Hassan
3.	Advanced CAD/CAM tools in Design and Manufacturing-(State level)	25-29, Sept,2006	Committee Member ,MCE, Hassan
4.	Refresher course on conducting CAD/CAM Laboratory classes for Technical Staff of Engineering Colleges.-(State Level)	19-24,Feb,2007	Committee Member ,MCE, Hassan
5.	Computer Aided Modeling and Analysis Laboratory –(State Level)	4-8, Feb,2008	Committee Member ,MCE, Hassan
6.	One day work shop on IPR, R&D and funding agencies- Enhanced Industry Institute Interaction (State Level)	9 th April,2008	Coordinator, MCE,Hassan
7.	BRINGING INDUSTRY TO INSTITUTIONS –BII-09 (State Level) An attitude awareness workshop	19-21, Feb,2009	Coordinator, MCE,Hassan
8.	5-days Faculty Development Program on Essentials Skills for Mechanical Engineers (National)	1 st - 5 th September, 2014	Coordinator, MCE,Hassan
9.	Industrial Training on applied sensor technology	27-29 , March, 2017	Cordinator, Drives and control academy Bosch Rexroth Bangalore
10.	TRAIN THE TRAINERS" , program for teaching and non-teaching staff of our	10-04-2023 To 15-04-	Coordinator,

	college conducted	2023	MCE,Hassan
--	-------------------	------	------------

3. Training Courses, Teaching-Learning-Evaluation Technology Programs, Faculty development Programmes Attednd

Nature of Programme	Period		Institution
	From	To	
Research Methodology	09-01-2017	13-01-2017	GEC ,Hassan
Emerging trends in materials and Manufacturing technology (ETMMI)	27-02-2017	03-03-2017	MCE ,Hassan
Industrial Training on applied sensor technology	27-03-2017	29-03-2017	Drives and control academy Bosch Rexroth Bangalore
Automation in Manufacturing	20-03-2017	24-03-2017	Central Manufacturing Technology Institute, Tumkur Road, Bangalore-560022
One day workshop Technical Institution meet at Siemens Centre of Excellence GTTC, Mysore	30-11-2018	30-11-2018	GTTC,Mysore
2 days' workshop Being a Great Teacher	03-11-2018	04-11-2018	MCE, Hassan
5 Days workshop on Recent Trends in Automotive Technology	25-05-2018	29-05-2018	MCE, Hassan
5 Days workshop MEMS and MOMS	30-04-2018	4-05-2018	MCE, Hassan
One day Workshop Professional and academic quality in engineering course(PAQ)	23-04-2018	23-04-2018	MCE, Hassan
5 Days workshop Advanced manufacturing processing techniques.	12-01-2018	17-01-2018	MCE, Hassan

4. Papers presented in Conferences, Seminars, Workshops, Symposia

Sl. No.	Title	Title of Conference/Seminar etc.	Date s of the Event	Organized by	Whether International/National/State/Regional/University/College Level
1	Process control of an automated lift pumping station	3 rd international conference on trends in technology and engineering (ICTTE-16)	20-31, FEB 2016	Arjun College of Engineering, Bangalore	International

2	Study and implementation of PLC & SCADA system for lift pumping station process control	National conference on emerging trends in mechanical engineering (NCETE-16)	29-30, April, 2016	A.I.T, Chikkamagaluru	National
3	An Autonomous robot for finding optimal path during dynamic environment using grid based approach	1 st international conference on innovations in computing and networking .	12-13, May 2016	Rajarajeshwari college of engineering and computer society of India, Bangalore	International

Note: Do not leave any blank rows and columns. Add/Delete rows/columns appropriately.