(A)   Personal Data:

Title (Mr/Ms./Mrs./Dr./Prof.)	Ms
Name	Madhuri Balasaheb Mulik
Programme (UG/PG)	UG
Course / Department	Electronics and Telecommunication
Area of Specialization	Electronics Technology
Exact Designation	Assistant Professor
Address (Residential) (with PIN code)	21/1197, Jawahar Nagar, Mulik Wakhar , Ichalkaranji 416117
E-mail ID	mulik_madhuri2002@yahoo.co.in
Mobile No	9921660850

(B) Following Indian Patent registered:

Sr No.	Title	Patent Number	Date	Role
1	INVESTIGATION OF MECHANICAL PROPERTIES OF TWISTED GEOMETRY COMPOSITE MATERIAL	TEMP/E-1/47199/2018-MUM	17/11/2018	Inventor
2	SOLAR CELL FABRICATION USING FOUNDRY WASTE SAND	TEMP/E-1/642/2019-MUM	06/01/2019	Inventor
3	LOW COST BIO GAS PRODUCTION USING WATER HYANCITH	TEMP/E-1/643/2019-MUM	06/01/2019	Inventor

(C) Project Under Taken:

Sr. No.	Name of the Project	Academic Year
1.	GSM Based Paralysis monitoring system	2019-2020
2.	Bike to Bike Communication	2019-2020
3.	IOT based smart roads: Intelligent highways with warning msg & diversions according to climate conditions	2018-2019
4.	Intelligent Hybrid Solar Pawar System	2018-2019
5.	3D Video processing Using Hologram	2017-2018
6.	Electronics voting machine	2017-2018
7.	360 Degree wireless camera using mobile control	2017-2018
8.	Coin Based Solar Mobile Charger	2016-2017
9.	Smart Solar Grass Cutter	2016-2017
10.	Camera Based surveillance System	2016-2017
11.	Bluetooth based security system	2016-2017
12.	Agriculture Diet	2016-2017
13.	"Conveyer Based Presetable Counter With SMS alert"	2015-2016
14.	"Accelerometer based gesture controlled Robot"	2015-2016
15.	"Vehicle Movement Street Lighting of Highways"	2015-2016
16.	"DTMF Based Voting Machine"	2014-2015
17.	"Electricity Power Theft Over Electrical Poles"	2014-2015
18.	"Networked wireless Meter Reading Based on Zigbee Technology"	2013-2014
19.	"Design comparison and implementation of different multipliers using VHDL"	2013-2014
20.	"Traffic violation detection"	2012-2013

(D) Academic Qualifications:

Exam Passed	Name of the institute
PhD (Perusing)	VTU, Belgoan
PGD GIS	SUK, Kolhapur
P.G.	DOT
Degree (U.G.)	DKTE'S

(E) Experience:

Teaching Experience (In Years)
13yr 3month

(F) Conferences, seminars, symposia, training, workshop, STTP, FDP attended
(i) Conferences, seminars, symposia, Training, workshop, STTP, FDP attended:

Sr. No.	Name of the conferences/ seminars/symposia /STTP/FDP/worksop	Name of sponsoring agency	duration from	to	Place
1	Digital Transformation and Padagogy	AICET TQIP	10th Aug 2020	14th Aug 2020	Karad and Walchand college
2	Digital Signal Processing Algorithms: Optimization and Implementation	AICET Funded DKTE	2nd Dec	7th Dec 2019	Ichalkaranji
3	Python	SITCOE	8th Oct	13th Oct 2018	Yadrav
4	FDP101X,FDP201X	SITCOE	3rd Oct	4TH Dec 2018	Yadrav
5	"Orientation program on outcome based Education"	SITCOE	30th Nov 2017	4th Dec 2017	Yadrav
6	"Dealing with Sexual Harassment at Workshop"	Center for Women's Studies SUK	7th, 14th ,16th March 2018	----	Kolhapur
7	"Outcome based Education"	SITCOE	21st May 2018	26th May 2018	Yadrav
8	"Advance Matlab Simulink & Simulation"	DKTE	9th Sept 2017	9th Sept 2017	Ichalkaranji
9	"Advanced signal, Image & Video Processing on FPGA"	DKTE	26th June 2017	30th June 2017	Ichalkaranji

10	"CMOS, Mixed Signal & Radio Frequency VLSI design"	SITCOE	30th Jan 2017	04th Feb 2017	Yadrav
11	"Recent trends in IOTs"	SITCOE	6th June2016	11th June2016	Yadrav
12	"Pedalogy to Synergogy"	SITCOE	31th Dec 2015	4th Jan 2016	Yadrav
13	"Advaned Trends in PLC- Automation"	SITCOE	30th Nov 2015	4th Dec 2015	Yadrav
14	"Advanced Techniques in Reasearch Methdology"	SITCOE	15th June 2015	26th June 2015	Yadrav
15	"Embedded System Design Using ARM Cortex LPC 1768 & VLSI system design using Xilinx FPGA"	DKTE's	12th Feb 2015	14th Feb 2015	Ichalkaranji
16	"Image Processing & Soft Computing Algorithm Implementations in Interdisciplinary Area"	DKTE's	17th-19th Jan 2014	24th-25th Jan 2014	Ichalkaranji
17	"Advanced Trends in Video	SITCOE	12th May 2014	16th May 2014	Yadrav
18	"Network simulator2 for Wired & Wireless Network"	SITP	17th October 2013	19th October 2013	YADRAV
19	Workshop on "Reasearch & methods in educational technology"	IIT Bombay ,Remot center SITCOE,	2nd Feb 2013	9th Feb 2013	Ydrav
20	Workshop on "Better enhancement of soft skill technology"	SITCOE	17th Dec 2012	27th Dec 2012	Yadrav
21	Workshop on "Aakash Tablet"	SITCOE	10th Nov 2012	11th Nov 2012	Yadrav
22	Workshop on "Teaching methodologies"	SITCOE	15th June, 2012	17th June 2012	Yadrav
23	Workshop on "EMBEDDED SYSTEM DESIGN"	GPKP	14th May 2012	25th May 2012	Kolhapur
24	Workshop on "Basic Electronics"	IIT Bombay, Remot Center DKTE's	28th June 2011	8th July 2011	Ichalkaranji
25	Workshop on 'Advanced VLSI Design Techniques'	DKTE's	3rd Jan 2011	8th Jan 2011	Ichalkaranji.

Webinar attended

Sr. No.	Name of the Faculty Member	Name of Webinar/ FDP	Date	Duration	Organization
1	Ms Madhuri B Mulik	Webinar on- Cyber security	12th May 2020	1 Day	IETE with the association of SETS
2	Ms Madhuri B Mulik	A technical webinar on "Arduino Programming and Internet of things"	25th to 26th May 2020	3 days	DKTE'S
3	Ms Madhuri B Mulik	FDP- Machine Learning Hands on Experiments using Python	1st June to 9th June 2020	9 Days	SITCOE
4	Ms Madhuri B Mulik	Webinar on- e-learning video preparation tools	5th June 2020	1 Day	DKTE'S
5	Ms Madhuri B Mulik	Webinar on- Research and Consultancy opportunities in Utilities	26th June 2020	1 Day	SITCOE
6	Ms Madhuri B Mulik	Webinar on- Artificial Intelligence and Deep Learning	29th June 2020	1 Day	SITCOE

Publication Details

Sr. No.	Name of the Faculty Member	Title of Research Paper	Name of Journal/Conference	Volume/Issue, Year of Publication
1	MsMadhuri B Mulik	GSM Based Paralysis Patient Monitoring System	International Research Journal of Engineering Technology	e-issn:2395-0056; p-issn:2395-0072

Academic Year: 2019-20(Research work)

Chapter Published in book:

Name of Department:

Sr. No.	Name of Faculty	Book	Title of chapter published	Publisher	Publishing Year
1	MsMadhuri B Mulik	Emerging Trends in Engineering Research and Technology Vol.4	"A Forest Change Detection Using Auto Regressive Model-based Kernel Fuzzy Clustering: Advanced Study" **DOI: https://doi.org/10.9734/bpi/etert/v4**	Book Publisher International	2020

Publication Details

Sr. No.	Title of Research Paper	Name of Journal/Conference	Volume/Issue, Year of Publication
1	"A Forest Change Detection Using Auto Regressive Model-Based Kernel Fuzzy Clustering"	**UGC-IJEAT Journal**	**volume-9-issue-1s6**
2	"A Comparative Study of Various Methods for Forest Change Detection"	**WOS-International Journal of Grid and Distributed Computing**	ISSN : Vol. 12 No. 3 (2019)
3	Brain Signal Processing: Analysis, Technologies and Application	**Scopus Indexed-Jour of Adv Research in Dynamical & Control Systems**	DOI: 10.5373/JARDCS/V11I12/ 20193213 ISSN 1943-023X Vol. 11, No. 12, 2019

(G) Paper published in conferences/journals
(i) Paper published in conferences:

Sr. No.	Name of the conference	Title of the paper	Name of sponsoring agency / institute	duration		Place
				from	to	
1	International Conference	Using Maxwell Eddy Solver Calculation of field component	SITCOE	23 Feb 2017	24 Feb 2017	Ichalkaranji
2	International Conference	Agriculture Diet	SITCOE	23 Feb 2017	24 Feb 2017	Ichalkaranji
3	International Conference on "Elwctronics & computing" ICET-2015	Poster presentation "DTMF" Based Voting Machin"	DKTE's	9th April 2015	10th April 2015	Ichalkaranji
4	National conference NCET-2012,	Abstract selected for indexing "Smart Antenna Technology with switched beam & Adaptive array"	DOT Kolhapur			Kolhapur
5	International conference on Emerging Trends	Paper presented "Design of Viterbi decoder	JJMCOE Jaysinghpur	20th feb 2010	21th feb 2010	Jaysinghpur
6	International Journal of Scientific & Engineering Research	Achieving Stability of Real Time Encoder by Exploiting Parallelism using FPGA based MPSoC	JJMCOE Jaysinghpur	20th feb 2010	21th feb 2010	Jaysinghpur
7	International Journal of Scientific & Engineering Research	Design of Fuzzy-PID controller for Higher order Nonlinear System	JJMCOE Jaysinghpur	20th feb 2010	21th feb 2010	Jaysinghpur
8	National Conference on	Paper presented "Design of	Anna Dange College,Ashta	8	National Conference on	Paper presented "Design of
9	National Conference 'URJITAM-2010' Ambav	Paper presented "Design of Viterbi decoder	Rajendra Mane College of Engineering and Technology, Ambav,	13th march 2010	15th march 2010	Ambav, Devrukh-Ratnagiri

(ii) Paper published in Journals:

Sr. No.	Name of the journal	Title of the paper	Vol. & Issue	pp	
				from	to
1	National Conference on Recent Engineering Trends	Electronic Votingmachine using finger print sensor	NCRET,ISBN 978-93-86074-55-3	--	-----
2	National Conference on Recent Engineering Trends	3D Video processing using Hologram	NCRET,ISBN 978-93-86074-55-3	---	------
3	National Conference on Recent Engineering Trends	360 Degree wireless camera using mobilecontrol.	NCRET,ISBN 978-93-86074-55-3	----	----
4	International Journal of Engineering Research and Development e-	"Artificial wind Data Generation On moving vehical"	ISSN: 2278-067X, p-ISSN: 2278-800X, www.ijerd.com Volume 6, Issue 10 (April 2013), PP. 90-94	90	94
5	International Journal of Scientific and Research	"Application of wind energy in two wheeler"	Publications 1 ISSN 2250-3153, 2013	2250	3153
6	International Journal of Scientific & Engineering Research	"Design of Viterbi decoder for noisy channel on FPGA	ID- I067063, Volume 2, Issue 6, June 2011		

(H) Record of Additional Activities

Sr No	Date & Duration	Details of Activity
1	July 13-24 20,20	60th ISRO Outreach Program "Application of Geoinformatics in Ecological Studies"
2	July-October 2019	Swayam Online Course **Academic writing**
3	28th to 29th September 2016	Workshop conducted on PLC for UG students
4	21st July 2017	Guest Lecture on 'Wireless Communication' Datta Polytechnic
5	29th Jan 2018	Guest Lecture on 'Fiber
6	23th Feb 2018	Guest Lecture on 'Matlab Software', Datta Polytechnic

(I) Professional Membership:

Sr. No.	Name of the membership	Membership no.	Type of membership (annual / life)	Name of membership body
1	ISTE	LM83189	Life Membership	

Pan No. ASDPM8711H
Adhar Card No. 726572578934