

## **CURRICULUM VITAE**

**Dr. Mujawar Tabbsum Hanif**

M. Sc., Ph. D. NET, SET (Electronics).

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**Date of birth:** 20<sup>th</sup> April 1988

**Nationality:** Indian



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### **1. GENERAL INFORMATION**

**1) Sex:** Female

**2) Marital status:** Married

**3) Blood group:** O +ve

**3) Career Objective:** My prime objective is to work for growth & development of organization where my knowledge & skills would be my assets. I have communication and interpersonal skills, good work ethic and the ability to work well in a team or individual environment. My sincere efforts will give my best to organization I join.

**4) Languages Known:** English, Hindi and Marathi

**5) Permanent Address:** A/P Kalman, Tal-North Solapur,  
Dist- Solapur - 413222, Maharashtra, India.

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## 2. EDUCATIONAL QUALIFICATION

Exam. Passed	Year of Passing	Board / University	Subject Offered	% of Marks	Class/ Grade
Ph.D.	Sep. 2016	Solapur	Electronics	-	-
NET	Dec.2014	UGC-CBSE	Electronics	---	---
SET	Aug.2010	UGC	Electronics	---	----
M. Sc.	Apr. 2010	Shivaji	Electronics	<b>76.20</b>	Dist.
B. Sc.	Apr. 2007	Solapur	Electronics	<b>82.33</b>	Dist.
H. S. C.	2005	Pune	Phys., Chem., Maths, Bio.	<b>83.83</b>	Dist.
S. S. C.	Mar. 2003	Latur	All	<b>89.66</b>	Dist.

## 3. TEACHING EXPERIENCE

Employer	Position held	Date of Joining	Date of Leaving	Pay with Scale of pay
Department of Electronics, DKASC, Ichalkaranji, Kolhapur	Jr. Lecturer	19 <sup>th</sup> July 2010	30 <sup>th</sup> Apr 2011	C.H.B
Department of Electronics, DKASC, Ichalkaranji, Kolhapur	Sr. Lecturer	19 <sup>th</sup> July 2010	30 <sup>th</sup> Apr 2011	C.H.B
Department of Electronics (commun. Science), Solapur University, Solapur	Ass. Prof.	2 <sup>nd</sup> July 2011	30 <sup>th</sup> Apr 2012	Consolidated
Department of Electronics (commun. Science), Solapur University, Solapur	Ass. Prof.	23 <sup>th</sup> July 2012	30 <sup>th</sup> Apr 2013	Consolidated
Department of Electronics (commun. Science), Solapur University, Solapur	Ass. Prof.	8 <sup>th</sup> July 2013	1 <sup>st</sup> May 2014	Consolidated
Department of Electronics (commun. Science), Solapur University, Solapur	Ass. Prof.	7 <sup>th</sup> July 2014	30 <sup>th</sup> Apr 2015	Consolidated
Dept. of Electronics Science, Solapur University, Solapur	Ass. Prof.	4 <sup>th</sup> July 2015	30 <sup>th</sup> Apr 2016	Consolidated
Dept. of Electronics Science, Solapur University, Solapur	Ass. Prof.	4 <sup>th</sup> July 2016	30 <sup>th</sup> Apr 2017	Consolidated
Dept. of Electronics Science, Solapur University, Solapur	Ass. Prof.	4 <sup>th</sup> July 2017	30 <sup>th</sup> Apr 2018	Consolidated
Dept. of Electronics Science, Solapur University, Solapur	Ass. Prof.	4 <sup>th</sup> July 2018	30 <sup>th</sup> Apr 2019	Consolidated

Dept. of Electronics Science, Solapur University, Solapur	Ass. Prof.	4 <sup>th</sup> July 2019	30 <sup>th</sup> Apr 2020	Consolidated
Dept. of Electronics Science, Solapur University, Solapur	Ass. Prof.	4 <sup>th</sup> July 2020	30 <sup>th</sup> Apr 2021	Consolidated

#### 4. RESEARCH EXPERIENCE AND INTEREST

RESEARCH EXPERIENCE: 5 years	
<b>M.Sc.</b> (2009-2010)	Successfully completed project work entitled <b>“RISC processor designing using Handle-C language”</b> for the partial fulfillment of the requirement for master degree.
<b>Ph. D.</b> (2012-2016)	Ph. D. thesis in <b>Electronics</b> on the research topic entitled <b>“Development of Wireless Sensor Network For Hazardous Gas Detection and Alert System”</b> .

#### 5. AWARDS AND HONOURS

- ✓ **“Global Eminent Scientist Award”** For **Research Excellence in Electronic Science** awarded by Vij Trust, Thirunindravur, Tamilnadu on 26<sup>th</sup> June, 2021.
- ✓ **“International Scientist Award-Women Researcher Award”** in the 9<sup>th</sup> International Scientist Awards on Engineering, Science and Medicine held on 06 & 07 Feb 2020 at Coimbatore, India.
- ✓ **“Rashtramata Jijau Vidnyan Bhushan Puraskar-2021”** awarded by **Maraththa Seva Sangh** on 24<sup>th</sup> Jan. 2021 at Osmanabad.
- ✓ Delivered an Interview on **“Aakashvani- Solapur”** in **Yuvawani Program** on 13 November, 2020.
- ✓ **“Late Shantaram Narayan Waigankar Paritoshik”** for securing highest number of marks in the subject of Electronics at M.Sc examination held in April 2010.

- ✓ **“Shivaji University Merit Scholarship”** for meritorious performance in the subject of Electronics at M.Sc –I examination held in April 2010  
Secured 6<sup>th</sup> rank in shivaji university amongst the examination held in April 2010 examination
- ✓ **“Rank Certificate”** Secured 6<sup>th</sup> rank in Shivaji University amongst the examination held in April 2010 examination.
- ✓ **Best First Paper Presentation Award** “Development of Wireless Sensor Network for Hazardous Gas Leakage Detection”, National Conference on Recent Trends in Electronics and Instrumentation- [NCRTEI-2013], Organized by Dept. of Electronics and Instrumentation, BHARTATHIAR UNIVERSITY, COIMBATORE.
- ✓ **Best First Paper Presentation Award** “ A new environment monitoring system using arduino and LabVIEW: Application”, National Conference on- Multidisciplinary Research In Geo Environmental Studies For Sustainable Development [MRGESD-2017], Organized by School of Earth Sciences, Solapur University, Solapur, 15-16 Sept. 2017.
- ✓ **Best First Poster Presentation Award** ” Smart Car Parking System using IOT: An approach for Solapur University campus”, Interaction Meet on Physics and Electronics -2020”, School of Physical Sciences, P.A.H. Solapur University, Solapur, 9 August, 2020.

## 6. BOOKS:

- ✓ Author of WSN book published (LAMBERT Pub.) entitled **“Wireless Sensor Network for Smart Protection against Gas Leakage”**. pp.1-177, 2016,
- ✓ Author of WSN book published (LAMBERT Pub.) entitled **“A novel approach for online air quality monitoring system using WSN”**. 2018, pp. 1-50

- ✓ Author of book chapter entitled “**Smart Environment Monitoring System using Wired and Wireless Network: A comparative study**”, Intechopen Pub., United Kingdom, 2019.

## 7. Projects:

- ✓ Working as a **Co-PI** of the project, “Design and Development of soil moisture sensor for smart irrigation monitoring and controlling system” sanctioned by **Rajiv Gandhi Science and Technology Commission**, Government of Maharashtra, 30 January, 2021.

## 8. PUBLICATIONS

1. **T. H. Mujawar**, J.Akhtar and L. P. Deshmukh, “Enhanced WSN based Automatic Temperature Controlled and Data Storing Fan System with LabVIEW” **Springer**, Book Series: Lecture Notes in Electrical Engineering (Under Review).
2. V.A.Chaudhary, P.Girgaon, P.Sutar, P.D.Rupanwar, **T.H.Mujawar**, “IoT based Object Sorting and portable skin tone meter System”, Advanced Materials Science (Under Review).
3. R.V. Shinde, B. Gabane, **T. H. Mujawar**, and M. S. Kasbe\* , “Antenna Design and Fabrication with Circular Microstrip Patch: A Review”, J. Today’s Ideas - Tomorrow’s Technol., Vol. 8, No. 2 (2020), pp. 65-71.
4. **T. H. Mujawar**, M. S. Kasbe, S. S. Mule and L. P. Deshmukh, “Online monitoring of WSN based air quality monitoring system”, **AIP Conference Proceedings** 1989, 020030 (2018), 020030-1- 020030-9.
5. M. S. Kasbe, **T. H. Mujawar**, S. S. Mule, P.Prabhakar, A.D.Shaligram and L. P. Deshmukh, “An advanced electronic nose (EN) system: Application to classification of tomato and mint”, **AIP Conference Proceedings** 1989, 020017 (2018), 020017-1-020017-6.

6. **T.H.Mujawar**, M.S.Kasbe, P.Prabhakar, L.P.Deshmukh, "A New Environment Monitoring System Using Arduino and LabVIEW-Applications", Journal of Applied Geochemist, 20(4), pp.443-446, 2018.
7. R. Zade, N. Khadgi, M.Kasbe, **T.Mujawar**, "Online Garbage Monitoring System Using Arduino and LabVIEW", Int. J. Sc. Res. in Network Security and Communication, 6(6), pp.5-9, 2018.
8. L.P.Deshmukh, **T.H.Mujawar**, M.S.Kasbe, S.S.Mule, J.Akhtar and N.N.Maldar," A LabVIEW Based Remote Monitoring and Controlling of Wireless Sensor Node for LPG Gas Leakage Detection", IEEE, 2017.
9. L.P.Deshmukh, M.S.Kasbe, **T.H.Mujawar**, S.S.Mule, A.D.Shaligram," A Wireless Electronic Nose (WEN) for the Detection and Classification of Fruits: A Case Study", IEEE,, 2017.
10. MS Kasbe, TH Mujawar, SS Mule, VD Bachuwar, AD Shaligram, L.P.Deshmukh, "A novel approach for the quality monitoring of mint using an e-nose system" Indian Journal of Scientific Research, 15(2), pp.191-197,2017.
11. S.S.Mule, **T.H.Mujawar**, M.S. Kasbe and L.P. Deshmukh, "Microcontroller based blood glucose meter: Design and Development", IJESSET, 8(5), 234-239, 2016.
12. M.S. Kasbe, **T.H.Mujawar**, S.S.Mule, L.P.Deshmukh and A.D.Shaligram," Development of LabVIEW based electronic nose to determine the quality of food", IJESSET, 8(5), 222-228, 2016.
13. **T.H.Mujawar** , V.D.Bachuwar, M.S. Kasbe, , P. Prabhakar, A.D.Shaligram and L.P. Deshmukh, "WSN Based sensor node deployment for LPG gas leakage detection and controlling", IJCR 8(3) 28373-28379. 2016
14. M.S.Kasbe, S.L.Deshmukh, **T.H.Mujawar**, V.D.Bachuwar, L.P. Deshmukh, A.D. Shaligram," An Electronic nose with LabVIEW using

- SnO<sub>2</sub> Based Gas Sensors: Application to test freshness of the fruits”, International Journal of Scientific and Engineering Research (IJSER) - (ISSN 2229-5518), 2016.
15. **T.H.Mujawar**, M.S. Kasbe, S.S.Mule and L.P. Deshmukh,” Development of wireless gas sensing system for home safety”, IJESER, 8(5), 213-221, 2016.
  16. **T.H.Mujawar**, V.D.Bachuwar, M.S. Kasbe, A.D.Shaligram and L.P.Deshmukh,”Wireless Sensor Network System: Gas leakage detection and monitoring” IJCR, 7(7) 18445-18450. 2015
  17. **T.H.Mujawar**, V.D.Bachuwar M.S.Kasbe, A.D. Shaligram, L.P. Deshmukh, “Development of wireless sensor network system for LPG gas leakage detection system”, International Journal of Scientific and Engineering Research (IJSER), 6(4), pp.558-563, 2015.
  18. M.S.Kasbe, **T.H.Mujawar**, V.D.Bachuwar, L.P. Deshmukh, A.D. Shaligram,” Freshness study of non-destructive papaya by using an electronic nose”, IJCAES, Vol.V, pp.2-7, 2014.
  19. **T.H.Mujawar**, V.D.Bachuwar, M.S. Kasbe, A.D. Shaligram and L.P. Deshmukh.” A Wireless Sensor Network: A Dynamic System for Gas Leakage Detection”, International Journal of Computer Applications, Vol.1, pp.1-4, 2014.
  20. **T.H.Mujawar** V.D.Bachuwar Dr.S.S.Suryavanshi,” Air Pollution Monitoring System in Solapur City Using Wireless Sensor Network”, IJCA, pp.11-15, 2013.
  21. M.S.Kasbe, **T.H.Mujawar**, V.D.Bachuwar, S.A.Pawar, S.S.Suryavanshi,” Circularly polarized Square MS patch antenna design with two corners chopped for 2.45 to 2.483GHz band”, IJCAES, Vol.III, pp.31-35,2013.

22. J.U. Rakshe, S. S. Savali, R.B. Badiwale, T.H. Mujawar," Smart Car Parking System using IOT: An approach for Solapur University campus", e-Proceeding - ICRAPCS-2020 ISBN - 978-93-5396-893-9.

**9. List of conferences/ seminars/ workshops/ symposia attended and paper presented**

<b>Sr. No.</b>	<b>Title of paper</b>	<b>Author</b>	<b>Name of conference</b>	<b>Year</b>
1	Development of Wireless Sensor Network for Hazardous Gas Leakage Detection	<b>T.H.Mujawar</b> , V.D.Bachuwar, M.S.Kasbe, A.D.Shaligram L.P.Deshmukh	National Conference on Recent Trends in Electronics and Instrumentation (NCRTEI-2013) at Bharathiar University, Coimbatore-641046	September 20-21, 2013.
2	Circularly polarized Square MS patch antenna design with two corners chopped for 2.45 to 2.483GHz band	M.S.Kasbe, <b>T.H.Mujawar</b> , V.D.Bachuwar, S.A.Pawar, S.S.Suryavanshi	2nd International Conference on Computing, Communication And Sensor Network (CCSN) - 2013 Dharmatala, Kolkata – 700013, West Bengal (India)	November 22 <sup>nd</sup> -24 <sup>th</sup> , 2013.
3	Air Pollution Monitoring System in Solapur City Using Wireless Sensor Network	<b>T.H.Mujawar</b> , M.S.Kasbe, V.D.Bachuwar, U.R.Ghodake, S.S.Suryavanshi	2 <sup>nd</sup> International Conference on Computing, Communication And Sensor Network (CCSN) -2013 Dharmatala, Kolkata – 700013, West Bengal (India)	November 22 <sup>nd</sup> -24 <sup>th</sup> , 2013.
4	Freshness study of non-destructive papaya by using an electronic nose	M.S.Kasbe, <b>T.H.Mujawar</b> , V.D.Bachuwar, L.P.Deshmukh, A.D. Shaligram	3rd International Conference on 'Computing, Communication and Sensor Network' BNR, Puri, Odisha, India.	December, 12-14 <sup>th</sup> , 2014
5	A Wireless Sensor Network: A Dynamic System for Gas Leakage Detection	<b>T.H.Mujawar</b> , V.D.Bachuwar, M.S. Kasbe, A.D.Shaligram L.P. Deshmukh	3rd International Conference on 'Computing, Communication and Sensor Network', BNR, Puri, Odisha, India.	December, 12-14 <sup>th</sup> , 2014



6	An agricultural monitoring: A wireless Sensor Network and Web Server approach	<b>S.K.Shinde</b> <b>T.H.Mujawar,</b> V.D.Bachuwar A.D. Shaligram L.P.Deshmukh	National Conference on Energy and Environment (NC2E-2014), Pune University.	February 20-22 2014 .
7	Development of Wireless Sensor Network for Proficient Irrigation System	V.D.Bachuwar <b>T.H.Mujawar,</b> M.S.Kasbe A.D. Shaligram L.P.Deshmukh	National Conference on Energy and Environment (NC2E-2014),Pune University.	February 20-22 2014 .
8	XBee- LabVIEW based wireless sensor network for gas leakage detection and monitoring	<b>T.H.Mujawar,</b> V.D.Bachuwar M.S.Kasbe A.D. Shaligram L.P.Deshmukh	National Conference on Energy and Environment (NC2E-2014),Pune University.	February 20-22, 2014 .
9	wireless sensor network system: gas leakage detection and monitoring	<b>T.H.Mujawar,</b> V.D.Bachuwar M.S.Kasbe, S.L.Deshmukh A.D. Shaligram L.P.Deshmukh	International photovoltaic solar energy Conference (SOLAR ASIA-2015)	30 July-1 august, 2015
10.	LabVIEW and XBee module based E-nose: An application to determine freshness of fruits	M.S.Kasbe, <b>T.H.Mujawar,</b> V.D.Bachuwar, S.L.Deshmukh, A.D. Shaligram L.P.Deshmukh	International photovoltaic solar energy Conference (SOLAR ASIA-2015)	30 July-1 august,2015
11.	Microcontroller based blood glucose meter: Design and Development	S.S.Mule, <b>T.H.Mujawar,</b> M.S. Kasbe and L.P. Deshmukh.	NITET, A.G.PATIL institute of technology, Solapur, 2016	11-12, March, 2016
12.	Development of LabVIEW based electronic nose to determine the quality of food	M.S. Kasbe, <b>T.H.Mujawar,</b> S.S.Mule, L.P. Deshmukh and A.D.Shaligram	NITET, A.G.PATIL institute of technology, Solapur, 2016	11-12, March, 2016

13.	A LabVIEW Based Remote Monitoring and Controlling of Wireless Sensor Node for LPG Gas Leakage Detection	L.P.Deshmukh, <b>T.H.Mujawar</b> , M.S.Kasbe, S.S.Mule, J.Akhtar and N.N.Maldar	ISESD 2016, Bandung Indonesia.	26-27 Nov, 2016
14.	A Wireless Electronic Nose (WEN) for the Detection and Classification of Fruits: A Case Study	L.P.Deshmukh, M.S.Kasbe, <b>T.H.Mujawar</b> , , S.S.Mule, A.D.Shaligram	ISESD 2016, Bandung Indonesia.	26-27 Nov, 2016
15.	A novel approach for the quality monitoring of mint using an E-nose system	M.S.Kasbe, <b>T.H.Mujawar</b> , S.S.Mule V.D.Bachuwar, A.D. Shaligram L.P.Deshmukh	ICCI 2017, Bhubaneswar.	28-29 May, 2017
16.	Online monitoring of WSN based air quality monitoring system	T. H. Mujawar, M. S. Kasbe, S. S. Mule and L. P. Deshmukh,	3 <sup>rd</sup> International Conference on Emerging Technologies : Micro to Nano 2017 (ETMN 2017)	6-7 Oct. 2017
17.	An advanced electronic nose (EN) system: Application to classification of tomato and mint	M. S. Kasbe, T. H. Mujawar, S. S. Mule, P.Prabhakar, A.D.Shaligram and L. P. Deshmukh	3 <sup>rd</sup> International Conference on Emerging Technologies : Micro to Nano 2017 (ETMN 2017)	6-7 Oct. 2017
18.	A New Environment Monitoring System Using Arduino and LabVIEW- Applications	T.H.Mujawar, M.S.Kasbe, P.Prabhakar, L.P.Deshmukh	National Conference on Multidisciplinary Research in Geo Environment Studies for Sustainable Development	15-16 Sept.2017
19.	Committee Member	T.H.Mujawar	International Workshop on Untold History of U.S. and Concept of Nuclear Energy	4 January, 2019
20.	Attended	T.H.Mujawar	Capacity Building for Women Managers in Higher Education, Training Workshop	25 <sup>th</sup> – 27 <sup>th</sup> October, 2018

21.	Development of E-nose for Agriculture Applications	M. S. Kasbe, T. H. Mujawar, S. M. Godase, V.M.Prakshale, A.D.Shaligram and L. P. Deshmukh	4 <sup>th</sup> International Conference on Emerging Technologies : Micro to Nano 2019 (ETMN 2019)	16-17 <sup>th</sup> December 2019
22.	Smart Car Parking System using IOT: An approach for Solapur University campus	J.U. Rakshe, S. S. Savali, R.B. Badiwale, T.H. Mujawar	International Conference On recent advances in physical and chemical sciences, Sangola College, Sangola	22 <sup>nd</sup> January 2020
23.	Enhanced WSN based Automatic Temperature Controlled and Data Storing Fan System with LabVIEW	T. H. Mujawar. J.Akhtar and L. P. Deshmukh	International E-conference on Flexible Electronics for Electric Vehicles (FlexEV-2021)	March 18-19,2021
24.	IoT based Object Sorting and portable skin tone meter System	V.A.Chaudhary, P.Girgaon, P.Sutar, P .D.Rupanwar, <b>T.H.Mujawar,</b>	International E-conference on Material Science and Nanotechnology 2020	December 17-19, 2020

## 10. Academic Works

### **PAPER SETTER:**

- ✓ Worked as a **paper setter** in the M.Sc Physics (Applied Ele.) and M.Sc Electronic Science at Solapur University, University from **2013 to 2021.**

### **PAPER ASSESSMENT:**

- ✓ Worked as a **Examiner** and **Moderator** in the M.Sc Physics (Applied Ele.), M.CA, M.Sc Computer Science and M.Sc Electronic Science at Solapur University, University from **2013 to 2021.**

### **PRACTICAL EXAMINER:**

- ✓ Worked as a **Practical Examiner** in the M.Sc Physics (Applied Ele.) and M.Sc Electronic Science at Solapur University, University from **2013 to 2019.**

## 11. Extra Curricular Activities

- ✓ Working as a **NAAC Co-ordinator for Criteria –III**, School of Physical Sciences, P.A.H. Solapur University, Solapur.
- ✓ Worked as a **Convener** in the **International e-conference on Material Science and Technology** organized by department of electronics, Dayanand Science College, Latur from 17<sup>th</sup> Dec. to 19<sup>th</sup> Dec. 2020.
- ✓ Worked as a **Chair-person** in the **International e-conference on Material Science and Technology** organized by department of electronics, Dayanand Science College, Latur from 17<sup>th</sup> Dec. to 19<sup>th</sup> Dec. 2020.
- ✓ Contributed as a **resource person** in the one day **workshop** organized by department of electronics, DBF Dayanand College of Arts & Science, Solapur on 23/05/2021.
- ✓ Contributed as a **resource person** in the **National Webinar** organized by department of electronics, Tuljaram Chaturchand College of Arts, Science and Commerce on 18/12/2021.
- ✓ Editorial board member of **American Journal of Science, Engineering and Technology**.
- ✓ Worked as a **Reviewer** of **Materials Today: Proceedings**, Special issue on **ICMES 2018**.
- ✓ Worked as a **Reviewer** of Indo-Taiwan IEEE Sponsored International Conference on Computing, Analytics and Networks (ICAN2020)!
- ✓ Delivered a **Guest lecture** in Electronics paper –II for the certificate course in, **“Foundation Course for Competitive Examinations (NET/SET/ M.Sc Entrance)”** for B.SC –III (ELECTRONICS) Students at Sangmeshwar College, Solapur.
- ✓ **Students guided** during doctoral courses (Total number) : **40**

- ✓ Delivered an **invited talk** on “Development of wireless sensor network for home safety”, NITET-2016, A.G.PATIL institute of technology, Solapur on 11<sup>th</sup> March, 2016.
- ✓ Delivered a **Guest lecture** on SET/NET Workshop at Sangmeshwar College on 2018.
- ✓ Acted as **Mentor** for **SWAYAM MOOCS** Activity at School of Physical Sciences, Solapur University, Solapur during 2018.
- ✓ Acted as a **staff member** and **organizing committee member** of 3<sup>rd</sup> International Conference on Emerging Technologies: Micro to Nano 2017 (**ETMN 2017**) held in the year 2016-17 by Solapur University, Solapur.
- ✓ Acted as a staff member for smooth conduct of “**MISSION SAHASI**” programme organized by Solapur University, Solapur for self defense of ladies.
- ✓ Acted as a staff member and committee member for “**YUVA SPANDAN**” activity organized by Solapur University, Solapur on 4-5 Jan., 2018.
- ✓ Acted as a staff member and committee member for smooth conduct of Workshop on “**Hands on Training on microcontroller**” held in the year 2011-12 by Solapur University, Solapur.
- ✓ Acted as a staff member and committee member for smooth conduct of on “**MATLAB and Simulink**” held in the year 2012-13 by Solapur University, Solapur.
- ✓ Acted as a staff member and committee member for smooth conduct of Workshop on “**Latest trends in material characterization techniques**” held in the year 2014-15 by Solapur University, Solapur.
- ✓ Active member of Workshop on “**Latest Trends in Fundamental Research**” held in the year 2014-15 by Solapur University, Solapur.

- ✓ Appointed as a moderator in the subject of “Mobile computing” at the **M.CA (Solapur University, Solapur)** on 11-1-14.
- ✓ Appointed as a **moderator** in the subject of “**Mobile computing**” at the **M.Sc Computer Science** (Solapur University, Solapur) on 11-1-14.
- ✓ Delivered a **Guest lecture** on “**Mobile Communication**” in V.P Polytechnique College, Indapur on 16-09-2011.
- ✓ Delivered a **Guest lecture** on “**Basics of 8051 microcontroller**” in V.P Polytechnique College, Indapur on 13-02-2012.
- ✓ One Year teaching experience in Junior and Senior College of DKASC College, Ichalkaranji on 19<sup>th</sup> July 2010 to 30<sup>th</sup> 2011.
- ✓ Contributed as a **resource person** in the one day workshop organized by department of electronics, Sangmeshwar College, Solapur on 30/01/2015.
- ✓ Contributed as a **resource person** in the one day workshop organized by department of electronics, DBF College, Solapur on 08/02/2015.
- ✓ Visited KBP Pandharpur, S.S.M Barshi, Dayanand College, Solapur and Sangmeshwar College, Solapur with a motto to explain role of Electronics (Communication Science) in S& T, Job opportunities in industrial sector.

## **12. Extra Curricular Activities (During COVID-19)**

1. **Certificate of Participation** of a National Webinar on, “ New Trends in Engineering Sectors” organized by SVERI’s College of Engineering , Pandharpur in collaboration with IQAC, PAHSUS Solapur.
2. **Certificate of Participation** of a National Webinar on, “Career Opportunities in Physical and Mathematical Sciences for U.G and P.G Students” organized by Shri. Shivaji Science and Arts College, Chikhli.
3. **Certificate of Participation** of a National Webinar on, “Empowering the Women” organized by DBF Dayanand College of Arts and Science, Solapur on 14<sup>th</sup> July, 2020.

4. **Certificate of Participation of FDP** on, “Metal Air Batteries: Electrocatalysts, Challenges and Opportunities” organized by New Horizon College of Engineering, Bangalore on 17<sup>th</sup> July, 2020.
5. **Certificate of Participation** of General Knowledge E-QUIZ on, “SAGE E-QUIZ” organized by Sagar Group of Institutions, Bhopal on 18<sup>th</sup> July, 2020.
6. **Certificate of Participation** of a National Webinar on, “Employability Skills for the Future” organized by K.L.E. Society’s Degree College, Bangalore on 21<sup>st</sup> July, 2020.
7. **Certificate of Participation** of a National Webinar on, “Machine Learning with IoT” organized by NoviTech, Ernakulam on 19<sup>th</sup> July, 2020.
8. **Certificate of Participation** of a National Webinar on, “Art of Success for Civil Services” organized by Hirasugar Institute of Technology, Nidasoshi on 11<sup>th</sup> July, 2020.
9. **Certificate of Participation** of a National Webinar on, “Digital Communication and Youth” organized by Punyashlok Ahilyadevi Holkar Solapur University, Solapur on 14<sup>th</sup> July, 2020.
10. **Certificate of Participation** of E-QUIZ on, “Industrial Safety” organized by Vidyavardhaka College of Engineering, Mysore on 15<sup>th</sup> July, 2020.
11. **Certificate of Participation** of, “Online Awareness Pledge on COVID-19 Fight against Corona Virus” organized by KPR Institute of Engineering and Technology from 12<sup>th</sup> July to 19<sup>th</sup> July, 2020.
12. **Certificate of Participation** of a National Webinar on, “Innovation and Design Thinking” organized by SRIT, Coimbatore on 11<sup>th</sup> July, 2020.
13. **Certificate of Participation** of a National Webinar on, “Development of Embedded System using Raspberry Pi” organized by Sri Ramkrishna College of Arts and Science on 15<sup>th</sup> July, 2020.
14. **Certificate of Participation** of a National Webinar on, “Data Science and It’s Applications” organized by T.C. College, Baramati on 11<sup>th</sup> July, 2020.
15. **Certificate of Participation** of E-QUIZ on, “Electrical Power Generation Technology” organized by Sinhgad Institute of Technology, Lonavala .

16. **Certificate of Participation** of E-QUIZ on, “Single Phase Motors (Special Purpose Motors)” organized by Sinhgad Institute of Technology, Lonavala on 12<sup>th</sup> July, 2020.
17. **Certificate of Participation** of a National Webinar on, “Economical Package ‘Aatmanirbhar’ and Revival of Economy” organized by Punyashlok Ahilyadevi Holkar Solapur University, Solapur on 6<sup>th</sup> July, 2020.
18. **Certificate of Participation** of E-QUIZ on, “Design of Machine Elements and Dynamics of Machinery” organized by SRIP College, Coimbatore, on 7<sup>th</sup> Sept., 2020.
19. **Certificate of Participation** of National Level E-QUIZ on, “VLSI Design” organized by CAHCET, Melvishram on 10<sup>th</sup> July, 2020.
20. **Certificate of Completion of Professional Development Hours** on, “Wireless Charging for autonomous electrified micro-mobility devices: A real world solution for smart cities to be pandemic ready” organized by IEEE on 30<sup>th</sup> June, 2020.
21. **Certificate of Participation** of a National Webinar on, “Recent Trends in Material Science” organized by D.B.J.college, Chiplun on 2<sup>th</sup> July, 2020.
22. **Certificate of Participation** of a National Webinar on, “Effective and Efficient Writing of Research papers for web of sciences, Scopus Indexed Journal and Conferences papers using Typeset Research Studio” organized by AISSMS on 1<sup>st</sup> July, 2020.
23. **Certificate of Participation** of a National Webinar on, “GER in Education and Developing Countries” organized by Punyashlok Ahilyadevi Holkar Solapur University, Solapur.
24. **Certificate of Participation** of a National Webinar on, organized by “Development of Virtual Classroom for Online Teaching” organized by S.M.Joshi College, Pune on 23<sup>rd</sup> June, 2020.
25. **Certificate of Participation** of a National Webinar on, “Emerging Trends in Electronics and Computer Science” organized by K.W.C College, Sangli on 23<sup>rd</sup> June, 2020.
26. **Certificate of Participation** of a National Webinar on, “COVID 19 and Rural Development: Issues and Policies” organized by Punyashlok Ahilyadevi Holkar Solapur University, Solapur on 19<sup>th</sup> June, 2020



27. **Certificate of Participation** of a National Level QUIZ on, “Concepts of Renewable Energy Technologies” organized by Mandasaur University, M.P on 20<sup>th</sup> June, 2020
28. **Certificate of Energy Literacy** for the course on “ Learn to Design Your own Solar Home System” organized by Energy Swaraj Foundation on 13<sup>th</sup> June, 2020
29. **Certificate of Participation** of a National Webinar on, “Changes in Higher Education and Role of NAAC: Post COVID -19 ” organized by Punyashlok Ahilyadevi Holkar Solapur University, Solapur on 10<sup>th</sup> June, 2020
30. **Certificate of Participation** of a National Level QUIZ on, “Information and Communication Technology(ICT) of NET/SET” organized by T.C. College, Baramati on 12<sup>th</sup> June, 2020
31. **Certificate of Participation** of a National Level QUIZ on, “Intellectual Property Rights (IPR) and Plagiarism” organized by IQAC, Sangmeshwar College, Solapur on 15<sup>th</sup> May, 2020
32. **Certificate of Commitment** of a National Level QUIZ on, “COVID-19 Awareness QUIZ” organized by Degloor College, Degloor on 24<sup>th</sup> April, 2020
33. **Certificate of Commitment** on, “COVID-19 General Awareness Program 2020” organized by Punyashlok Ahilyadevi Holkar Solapur University, Solapur.

**13. Member of Professional Bodies:**

*Life member ship of Society for Promotion of Excellence in Electronics Discipline (SPEED), 2014*

**Declaration**

I hereby declare that, the particulars mentioned above are correct up to the best of my knowledge and belief.

**Date:-**

**Place: - Solapur**

**Yours faithfully**

**(Dr. Mujawar T. H.)**

## **References**

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