

Hemant Yashwant Satpute

(M. Sc. (Electronic Science), MS-ACIT, SET Qualified, MKCL Certified C Programming- Trainer)

Present position

- Assistant Professor

Contact Details (Mention e-mail) – fergusson.edu or despune.org

Bungalow no. 282, Jyoti Society, Sahakarnagar No. 1, Behind V S Khandekar School, Pune – 411 009



9850814816



hemant.satpute@fergusson.edu



www.linkedin.com/in/hemant-satpute-2b65a2a9

Work Experience

- Teaching: 20 years
- Research/Industrial: ____ years

Personal Profile

He had created and shared a lot of study material for CET aspired students and completed tours for the 11th and 12th standard students of Nagpur, Amravati, Jalgaon, Dhule, Yavatmal, Baramati & Lonawala through a medium of private coaching classes.

He is a Specialist in preparing Crosswords for Educational and Entertainment purpose. His crosswords on Electronics and Computer Science are getting regularly published in “SPEED” - E-Magazine published by Fergusson College, Pune – 4 since year 2012.

Maharashtra State Board of Secondary and Higher Secondary, Pune had appointed him as a “State Resource Person”, to train all the high school teachers in Maharashtra in the subject ICT (Information Communication Technology) in the year 2012. He had completed a tour of Nagpur, Amravati, Aurangabad, Beed, Parabhani, Jalana, Hingoli, Pune, Mumbai and Latur districts and conducted training sessions of the teachers in the same year.

He had also developed the resource material, teachers training workbook for these teachers training program.

Also, he is an author, Coordinator or Convener & translator of the book of ICT for standard 9 students, the textbooks of IT (Information Technology) for standard XI (for Arts, Science and Commerce stream) students, published by MSBSHSE.

In June 2013, Maharashtra State Board of Secondary and Higher Secondary, Pune had also appointed him as a Board of Studies Member for Electronics, Computer Science, IT and ICT. —

He is of experimental nature and multi-talented & experienced personality in the field of “Uses and Utilization of Computer”.

Course(s) Taught (Only Titles)

1. Electronic Design Automation Tools
2. Semiconductor Electronics
3. Electronic Circuits
4. Computer Hardware and Networking
5. Vocational Electronics (C2) Paper 01 and Paper 02

Field of Specialization/Areas of Interests

- Circuit design and simulation
- Analog and digital Electronics
- Educational Crossword Creation

Education

- **Master of Science/Arts- (Electronic Science):** 1998
University/College: Fergusson College, Autonomous, Pune 4
- **Bachelor of Science- (Electronic Science):** 1991
Fergusson College, Savitribai Phule Pune University, Pune

Fellowship/Awards/ Certifications/Achievements/Recognitions

Significant Achievement

- Felicitated by Pune Mayor on 15 August 2014 Felicitated for significant achievement in Educational Field by Pune Mayor Mrs Chanchala Kodre on 15 August 2014
- Adarsh Shikshak Puraskar on 14 September 2014 Received Received Adarsh Shikshak () Puraskar from Shivpratap Pratishthan
- Felicitated by Shikshan Mandal Pune on 5 September 2013 At the hands of Narendra Vyavahare, Adhyaksha , Shikshan Mandal, Pune Municipal Corporation
- Aadarsh Vidyarthi Puraskar for year 1985 - 1986 In School Shankarrao More Vidyalyaya, Pune
- First Prize in Ganit Prabodh Examination in February 1985 Came first in Ganit Prabodh Exam Conducted by Bharati Vidyapeeth, Pune
- Received Blood Donation Certificates twice On 21 may 2013 & on 16 February 2014
- Appointed as IT Teacher Trainer in APRIL 2013 From Maharashtra State Board of Secondary and Higher Secondary Education
- Received Adarsh Shikshak Puraskar on 15 September 2012 At the hands of Cartoonist Respected Shri Mangesh Tendulkar from Sai Pratishthan, Wadgaonsheri, Pune
- Adarsh Shikshak Puraskar on 05 September 2013 By Pravati Nagrik Kruti Samitee, Sahakarnagar at the hands of Shri N M Joshi

Member of College Committees/ Professional Bodies and Others

College Level	Professional Bodies	Others
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• Nil	Nil	Nil
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Employment History

- 1) **Organization : Fergusson College, Junior Wing, Pune 4**
Role : Assistant Teacher
Duration : 09 September 2002 to 30 September 2021

Responsibilities	<ul style="list-style-type: none"> Class Teacher for standard XI, XII. (Division G) PTA Secretary
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- 2) **Organization : Fergusson College, Autonomous, Pune 4**
Role : Assistant Professor
Duration : 1 October, 2021 till present

Responsibilities	<ul style="list-style-type: none"> SYBSc Practical Lab In charge.
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Research Projects

Title of the Project	Name of Funding Agency	Amount (Rs)	Duration (Year) (From To)	Type (Minor/Major)	Outcome
Nil	Nil	Nil	Nil	Nil	Nil

Research Publications in National and International Journals

1. Hemant Yashwant Satpute, Excel Digi Lab, 1558-7908 © 2012 IEEE Education Society Students Activities Committee (EdSocSAC), VOL. 7, NO. 1, March 2012

ISSN/ISBN No	Paper Title	Publish Date	Journal/Conference Name	Level	Paper Status	Authors
1558-7908	Excel Digi Lab	2012	IEEE TECHNOLOGY AND ENGINEERING EDUCATION (ITEE),	Refereed and Indexed Journal	Accepted and Published	Hemant Satpute

978-93-5016-319-1	A Scientific Study About Recent Trends, Challenges And Opportunities In Green Technology: Retrospection And Aspirations	2015	A National Conference on Advances and Challenges in Green Technology (ACGT2015)	Conference - National level	Accepted and Published	Hemant Satpute
978-93-5016-319-1	A CRITICAL ANALYSIS OF MERITS AND DEMERITS OF FDI AND ITS EFFECTS ON INDIAN ECONOMY	2015	National Conference on Impact of FDI on Economic Development of India	Conference - National level	Accepted and Published	Hemant Satpute
2321-7715	Vedik Wadmay	2015	National Conference on Ancient Science & Technology: Retrospection & Aspirations (ASTRA-2015)	Conference - National level	Accepted and Published	Hemant Satpute

Participation in Conferences/Seminars/Symposia/Workshop:

List of Conference Papers 2019-20

Shivaji College Conference

NCRAPMS – 2020, National Conference on Recent Advances in Physical and Mathematical Sciences

Date: 18 January, 2020, Email: ncrapms2020@gmail.com

Sr.	Authors	Paper Title
1	Dattaraj Vidyasagar R.D. Chaudhary (RLT)	Design of Arduino UNO based Teaching Pendant 4 DOF Robotic Arm in less Jitter Environment of Servos
2	Hemant Satpute Dattaraj Vidyasagar	Excel-Lent Technological Tool for Enhancement of Quality Learning In Analog Electronics and Physics For Network Analysis
3	Hemant Satpute Yash Vidyasagar	Use of Technology (Screencast-O-Matic Screen Recorder) in teaching & learning curriculum at +2 level

RLT College Conference

NCMRST – 2020, National Conference on Multidisciplinary Research in Science & Technology for Healthy Lifestyle Management

Date: 24 January, 2020, Email: ncrltscakola2020@gmail.com

Sr.	Authors	Paper Title
1	Hemant Satpute Yash Vidyasagar	Data Logging System of Real Time Ambient Temperature & Diffused Sunlight Intensity Measurement during Solar Eclipse
2	Dattaraj Vidyasagar Yash Vidyasagar	Circuit Building Blocks – Innovative Method of Teaching & Learning in Theory & Practical Electricity, Electronics & Embedded Systems
3	Yash Vidyasagar	Implementation of “Circuit Wizard” for Effective Teaching & Learning in Practical Electricity, Electronics & Embedded Systems

4	Yash Vidyasagar Nagrale (RLT)	Carbon Monoxide (CO) ppm Density Measurement with High & Low Heating Cycles using MQ7 Discrete Semiconductor Sensor
5	Dattaraj Vidyasagar Hemant Satpute	Search Engine Optimisation (SEO) & Effective Customisation Techniques using Rank Math Plugin
6	Mrs. Jagruti Mahajani Hemant Satpute	Study of the Effectiveness of Blended Learning for Geography subject on student
7	Hemant Satpute	Implementation of ICT (Information Communication Technology) in teaching & learning curriculum at +2 level
8	Hemant Satpute Dattaraj Vidyasagar Yash Vidyasagar	Implementation of Multisim – A Circuit simulation software for effective teaching and learning in electronics at +2 Level
9	Yash Vidyasagar Dattaraj Vidyasagar	On the Direct Port Register Addressing Technique in Arduino UNO to Simplify the Programming
10	Yash Vidyasagar Hemant Satpute	Temperature Dependence of Drift and Mobility Characteristics of Electrons in Vacuum & Semiconductor
11	Yash Vidyasagar R. D. Chaudhary (RLT)	Tricky Situation in Maximum Power Transfer Theorem in Special Case of an Amplifier
12	Yash Vidyasagar	Comparative Analysis of Silicon over Germanium in the Manufacturing of LSI & VLSI Technology Semiconductor

Name	Venue	Date	Level	Category	Type	Sponsored By
National Conference on Impact of ICT in Education	Poona College of Arts, Science & Commerce, KBHidayatulla h Road, Camp, Pune 411001	23 Jan 2015 to 24 Jan 2015	National	Quality Improvement Programs		UGC
A National Conference on Advances and Challenges in Green Technology (ACGT2015)	SINHGAD COLLEGE OF SCIENCE, Ambegaon(BK) , Pune-411041	12 Feb 2015 to 13 Feb 2015	National	Quality Improvement Programs		UGC
National Conference on Impact of FDI on Economic Development of India	SINHGAD COLLEGE OF COMMERCE, Kondhawa(BK) , Pune-411048	23 Feb 2015 to 24 Feb 2015	National	Quality Improvement Programs		UGC
International Conference on Application of Advanced Technology for Enhancing Quality of Science Education	Modern College of Arts, Science and Commerce, Shivajinagar, Pune 411005	26 Feb 2015 to 27 Feb 2015	International	Quality Improvement Programs		UGC
International Conference on Application of Advanced Technology for Enhancing Quality of Science Education	Modern College of Arts, Science and Commerce, Shivajinagar, Pune 411006	26 Feb 2015 to 27 Feb 2015	International	Quality Improvement Programs		UGC

A National Conference on Ancient Sciences and Technology: Retrospection & Aspiration (ASTRA2015) organized in Fergusson College, Pune	Fergusson College, Pune	10 Jan 2015 to 11 Jan 2015	National	Research		DES
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Seminar Topic	Conducted	Venue	Date	Level	Category	Type
A Lecture on Computer Uses and Utilisation taken in Ramanbaug Junior College from 2.30 to 4 PM for HighSchool teachers in Pune and PCMC area	DES Pune	Ramanbaug Junior College, Pune	06 Jul 2014 to 06 Jul 2014		Quality Improvement Programs	External
Participated as a resource person in the Junior College Teacher's Training Workshop organized by DES	DES	Academic Complex, Room No. AC14, Fergusson College, Pune	07 Dec 2014 to 07 Dec 2014		Quality Improvement Programs	External
National Seminar on Digital Image & Signal Processing	Department of Computer & Electronic Science, MAEER's Arts, Commerce & Science College, Pune		13 Feb 2014 to 14 Feb 2014		Quality Improvement Programs	External

Events Organized/Coordinated:

Sr. No	Name of the Event	Name of organizing Institute/ College/ University	Nature of contribution	Dates
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1	Vedic Vigyan International Conference	Fergusson College, Pune 4	Organizer	10 & 11 January 2015

Additional skills/Activities

He is an author in a monthly magazine named “Srushtigyan” which is being published in Marathi since last 100 years regularly. His articles on “Ganitatil Gamatee” & “Magic with Calculators” are getting published in this magazine since year 2013. A series of articles on the same topic had been also published in a Newspaper named “Prahar” in Sindhudurg District in January 2012

He has published one research paper in a monthly journal of IEEE in the month of March 2012. The paper titles “Digi Excel”. In this paper, he has explained the topic of use of EXCEL for teaching and learning “Digital Electronics” thoroughly and very nicely in a lucid language with some simple examples.

He is a specialist in utilizing the available technology fully, completely and exhaustively with the help of students.

He does not possess any official degree or certificate in Computer Science yet a renowned and esteemed institute “Suyash Computes”, in Pune had selected him as a franchisee, to train & educate the people about computers in Marathi language in the year from 1998 to 2000

Course Content Developed (e-content)

ISBN	Title	Publisher	Publish Year
1234-56789	A text book of ICT for standard 9	Maharashtra State Board of Secondary and Higher Secondary Education, Pune	Jun 2012
1234-5678	A text book of Information Technology for Standard XI Arts	Maharashtra State Board of Secondary and Higher Secondary Education, Pune	Jun 2012
1234-56789	A text book of Information Technology for XI Science	Maharashtra State Board of Secondary and Higher Secondary Education, Pune	Jun 2012
123-45678	A text book for Information Technology for XI Commerce	Maharashtra State Board of Secondary and Higher Secondary Education, Pune	Jun 2012

Consultancy Services

Nil