

Name: Mr.Vijay N. Kukre

Designation: HOD

Department: Computer Engineering

E-mail: hodco@aissmspoly.org.in



Educational Qualifications

ME (Computer Engineering)

BE (Computer Technology)

Experience

Teaching: 25 Years

Industrial: 05 Years

Publications

International Journals:

1. “A Survey on Bug Triaging- Software Data Reduction Techniques” in International Journal of Science and Research (IJSR-Index Copernicus Value (2013): 6.14 | Impact Factor (2013): 4.438), ISSN (Online): 2319-7064, Volume 4 Issue 12, December 2015, p.p. 904-906
2. “A Survey on Secure and Efficient Data Transmission for Cluster-Based Wireless Sensor Networks (CWSN)” in International Journal of Science and Research (IJSR-Index Copernicus Value (2013): 6.14 | Impact Factor (2013): 4.438), ISSN (Online): 2319-7064, Volume 4 Issue 12, December 2015, p.p. 1152-1154.
3. “Bug Triage Using Data Reduction with Priority and Security@ in IJSR (ISSN (Online): 2319-7064).
4. “Alcohol detection system with vehicle tracking” in IJARIE, ISSN/ISBN No.2395-4396, Vol-4 Issue-2 2018,p.p. 771-774
5. “Study on solar robot” in IJARIE, ISSN/ISBN No.2395-4396

6. "Survey on Graphical Password Authentication Techniques" in International Research Journal of Engineering and Technology (IRJET- Impact Factor value: 6.171), ISSN/ISBN No. 2395-0056, Volume: 05 Issue: 02 | Feb-2018 p.p. 26-28
7. "GSM based alert and warning system for land sliding and thunder activity" in International Research Journal of Engineering and Technology (IRJET- Impact Factor value: 6.171), ISSN/ISBN No. 2395-0056, Volume: 05 Issue: 01 | Jan-2018, p.p. 1442-1445.
8. "BIG DATA: A STUDY" in International Research Journal of Engineering and Technology (IRJET- Impact Factor:7.211), ISSN: 2395-0056, Volume: 06 Issue: 03 | Mar 2019, p.p. 631-634
9. "PROVENANCE ASSURANCE PROVE BASED ON CURRENT LOCATION FOR GIVING REVIEWS" in International Journal of Advance Engineering and Research Development e-ISSN (O): 2348-4470 Volume 6, Issue 03, March -2019, p.p. 78-81
10. "HOUSE PRICE PREDICTION USING MACHINE LEARNING" in International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 06 Issue: 03 | Mar 2019 p.p. 4403-4406.
11. "Information Provider via Biometrics Security" in IJSRD - International Journal for Scientific Research & Development| Vol. 7, Issue 02, 2019 | ISSN (online): 2321-0613, p.p. 40-43
12. "Automatic Irrigation System using Arduino UNO" in IRJET-International Research Journal of Engineering and Technology (Impact factor 7.34) Volume: 07 Issue: 03 | Mar 2020, e-ISSN: 2395-0056, p.p. 666-669.
13. "Door Lock Control using Wireless Biometric" in IRJET-International Research Journal of Engineering and Technology (Impact factor 7.34) Volume: 07 Issue: 03 | Mar 2020, e-ISSN: 2395-0056, p.p.1549-1553.
14. "PSEDUO NEWS DETECTION USING MACHINE LEARNING" in IRJET-International Research Journal of Engineering and Technology (Impact factor 7.529) Volume: 07 Issue: 04 | Apr 2020, e-ISSN: 2395-0056, p.p.3582-3584.
15. "Designing of College Time Table Generator using Automated Tools" in IJIRCCE-International Journal of Innovative Research in Computer and Communication Engineering (Impact factor 7.488) Volume 9, Issue 5, May 2021, e-ISSN: 2320-9801, p-ISSN: 2320-9798, p.p. 5059-5064.
16. "Online Examination System Using PHP" in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET- Impact factor 7.512) Volume 10, Issue 6, June 2021, e-ISSN: 2319-8753, p-ISSN: 2320-6710, p.p.6888-6891.

17. "Traffic Signal Pre-emption system for Emergency Vehicles" in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET- Impact factor 7.512), Volume 10, Issue 5, May 2021, e-ISSN: 2319-8753, p-ISSN: 2320-6710, p.p. 5121-5129
18. "Smart Home Automation Using Arduino, Passive Infrared Sensor and LCD Display" in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET- Impact factor 7.512), Volume 10, Issue 5, May 2021, e-ISSN: 2319-8753, p-ISSN: 2320-6710, p.p.5424-5430.
19. "Lane Detection for Self Driving Cars Using Python" in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET- Impact factor 7.512), Volume 10, Issue 5, May 2021, e-ISSN: 2319-8753, p-ISSN: 2320-6710, p.p.5592-5598.
20. "Designing of College Time Table Generator using Automated Tools" in International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE-Impact Factor 7.078), ISSN (Online) 2278-1021, ISSN (Print) 2319-5940, Volume 10, Issue 5, May 2021, p.p.419-420.
21. "Designing of College Time Table Generator using Automated Tools" in International Journal of Innovative Research in Computer and Communication Engineering (IJRCCE-Impact Factor 7.488), e-ISSN: 2320-9801, p-ISSN: 2320-9798, Volume 9, Issue 5, May 2021, p.p.5059-5064.
22. "Cloud Based Movie Ticket Booking System" in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET- Impact Factor 8.118) Volume 11, Issue 5, May 2022, e-ISSN: 2319-8753, p-ISSN: 2320-6710, p.p. 6503-6509.
23. "Face Cover Detection for Covid-19" in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET- Impact Factor 8.118), Volume 11, Issue 5, May 2022, e-ISSN: 2319-8753, p-ISSN: 2320-6710, p.p. 5707-5709.
24. "MedWise: Your Healthmate" in International Research Journal of Engineering and Technology (IRJET-Impact factor 7.529), Volume: 10 Issue: 02 | Feb 2023, e-ISSN: 2395-0056, p-ISSN: 2395-0072, p.p. 52-55.
25. "Child Tracking system through Android application" in International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET-Impact Factor 8.118) Volume 12, Issue 2, March 2023, DOI:10.15680/IJIRSET.2023.1202001, |e-ISSN: 2319-8753, p-ISSN: 2320-6710|, p.p. 1111-1115.

BOOK PUBLISHED

1. “Microprocessor and Programming” published by “TechMax” Pune for Second Year Computer Engineering Group Diploma Students.
2. “Digital technique and Microprocessor” published by “TechMax” Pune for Second Year Computer Engineering Group Diploma Students.
3. “Advance Microprocessor” published by “TechMax” Pune for Second Year Computer Engineering Group Diploma Students.
4. “Microcontroller” published by “TechMax” Pune for Third Year Electronics Engineering Group Diploma Students.
5. “Microprocessor and Microcontrollers” published by “TechMax” Pune for Third Year Electrical Engineering Group Diploma Students.
6. “Embedded System” published by “TechMax” Pune for Third Year Electronics Engineering Group Diploma Students.
7. “Microcontroller and Application” published by “TechMax” Pune for Third Year Electrical Engineering Group Diploma Students.
8. “Microprocessor” published by “TechMax” Pune for BCA Students of Punjab Technical University.
9. “8051 Microcontroller and Embedded systems” published by “TechMax” Pune for BSc Computer Science Students of Pune University.
10. “Digital Computer Fundamental” published by “TechMax” Pune for BSc Information Technology Students of Mumbai University.
11. “Embedded System” published by “TechMax” Pune for BSc Information Technology Students of Mumbai University.
12. “Microprocessor and Microcontrollers” published by “TechMax” Pune for BSc Information Technology Students of Mumbai University.
13. “Digital Techniques and Microprocessors” published by “Techknowledge” Pune for Second Year Information Technology Diploma Students of ‘I’ Scheme.
14. “Microprocessors” published by “Techknowledge” Pune for Second Year Computer Engineering Diploma Students of ‘I’ Scheme.
15. “Digital Electronics and Microcontroller Applications” published by “Techknowledge” Pune for Second Year Electrical Engineering Diploma Students of ‘I’ Scheme.
16. “Microcontroller and Applications” published by “Techknowledge” Pune for Second Year Electrical Engineering Diploma Students of ‘I’ Scheme.
17. “Embedded System” published by “Techknowledge” Pune for Third Year Electronics Engineering Group Diploma Students of ‘I’ Scheme.

Conference National/International:

1. “Cloud Computing” in Amrutvahini College of Eng. Sangamner in Year 2011
2. “Effective bug Triaging using software data reduction Technique with Security and Priority” in Pimpri-Chinchwad College of Engineering” in CPGCON 2016
3. “Fabrication of Fire Fighting Robot” in MIT Academy of Engineering, Alandi Pune in Year 2017

Course/Seminar/Symposium/Workshop attended

1. Three days Editor workshop on “Laboratory Manual Development Project” Jointly conducted by NITTR Pune and MSBTE Mumbai on 22.04.2002 to 24.04.2002
2. Three days Orientation Program on “Question Bank Development Project” Jointly conducted by NITTR Pune and MSBTE Mumbai on 01.08.2002 to 03.08.2002
3. Two days Workshop on “Linux Operating System” Jointly conducted by Linux Users Group Pune and MIT Academy of Engineering, Alandi Pune on 03.01.2003 to 04.01.2003.
4. Three days Workshop on “Revision of Lab Manual” Jointly conducted by NITTR Pune and MSBTE Mumbai on 10.02.2003 to 12.02.2003.
5. Two weeks AICTE and ISTE sponsored short term training program on “Wireless and Mobile Communication” conducted by Government Polytechnic, Pune on 17.05.2004 to 28.05.2004.
6. Three days Industrial Training for Teacher at Larsen & Toubro Infotech Ltd. Vashi Navi Mumbai conducted by MSBTE Mumbai on 09.03.2005 to 11.03.2005
7. Five days workshop for “Development of Question Bank for MSCIT” conducted by MSBTE Mumbai at RBTE, Pune on 22.08.2005 to 26.08.2005.
8. Two weeks Short term course on “Induction Training for Teachers” approved by ISTE and conducted by BVJNIOT, Pune on 07.11.2005 to 18.11.2005.
9. Three days workshop on “Orientation Program for Subject Expert Under Curriculum Development Project of MSBTE” Jointly conducted by NITTR Pune and MSBTE Mumbai on 28.11.2005 to 30.11.2005.

10. Two days workshop on “Curriculum Development of Computer /IT Subjects under Curriculum Revision Project” Jointly conducted by MIT’s SSP Polytechnic Pune and MSBTE Mumbai on 10.02.2006 to 11.02.2006.
11. Two days workshop on “Curriculum Development of Computer /IT Subjects under Curriculum Revision Project” Jointly conducted by MIT’s SSP Polytechnic Pune and MSBTE Mumbai on 22.02.2006 to 23.02.2006.
12. Three days workshop on “Curriculum Development of Computer /IT Subjects under Curriculum Revision Project” Jointly conducted by MIT’s SSP Polytechnic Pune and MSBTE Mumbai on 09.03.2006 to 11.03.2006.
13. Three days workshop for “Development of Question Bank for MSCIT” jointly conducted by MKCL, Pune and MSBTE Mumbai at RBTE, Pune on 22.08.2006 to 24.08.2006.
14. Two weeks workshop on “Induction Training Program Phase-1” conducted by NITTR, Pune on 04.12.2006 to 15.12.2006.
15. One weeks ISTE sponsored State Level Short term training program on “Network Technology” conducted by SVCP, Pune on 18.12.2006 to 23.12.2006.
16. One weeks MSBTE sponsored State Level Short term training program on “VLSI Design” conducted by PCP, Pune on 05.02.2007 to 09.02.2007.
17. One weeks MSBTE sponsored State Level Short term training program on “Object Oriented Modelling and Designing” conducted by SVCP, Pune on 05.01.2009 to 09.01.2009.
18. One weeks MSBTE sponsored State Level Short term training program on “VLSI Design” conducted by JSPM, Handewadi, Pune on 13.01.2009 to 17.01.2009.
19. Two Days State Level Workshop on “Institute Building and Staff Development” conducted by AISSMS’s IOIT, Pune on 08.10.2009 to 09.10.2009.
20. One weeks MSBTE sponsored State Level Short term training program on “Advanced Java Programming” conducted by SVCP, Pune on 04.01.2010 to 08.01.2010.
21. Three days workshop on “Curriculum Revision Project 2012” jointly conducted by MIT’s SSP Polytechnic, Pune and MSBTE Mumbai on 28.07.2011 to 30.07.2011.
22. Three days workshop on “Curriculum Revision Project 2012” jointly conducted by MIT’s SSP Polytechnic, Pune and MSBTE Mumbai on 26.09.2011 to 28.09.2011.

23. One weeks MSBTE sponsored State Level Short term training program on “Network Administration and Data Communication” conducted by PDEAS’s IOT, Hadapsar, Pune on 11.02.2013 to 15.02.2013.
24. Four days “Orientation Program on Revision of Curriculum” Jointly conducted by NITTR Pune and MSBTE Mumbai on 27.10.2015 to 30.10.2015
25. Three days Short Term Training Program “First Course Detailing Workshop 1st Group Programs for 2nd Semester of I-Scheme” Jointly conducted by NITTR Pune and MSBTE Mumbai on 03.08.2016 to 05.08.2016.
26. Three days Short Term Training Program “Final Course Detailing Workshop 1st Group Programs for 2nd Semester of I-Scheme” Jointly conducted by NITTR Pune and MSBTE Mumbai on 30.08.2016 to 01.09.2016.
27. Three days Short Term Training Program “First Course Detailing Workshop 1st Group Programs for 4th Semester of I-Scheme” Jointly conducted by NITTR Pune and MSBTE Mumbai on 13.02.2017 to 15.02.2017.
28. Three days Short Term Training Program “Second Course Detailing Workshop 1st Group Programs for 4th Semester of I-Scheme” Jointly conducted by NITTR Pune and MSBTE Mumbai on 29.03.2017 to 31.03.2017.
29. Five days Short Term Training Program “Design and Development of Lab Instructions and Question Paper for II Semester of Group B” Jointly conducted by NITTR Pune and MSBTE Mumbai on 03.07.2017 to 07.07.2017.
30. Five days Short Term Training Program “Design and Development of Lab Instructions and Question Paper for II Semester of Group B” Jointly conducted by NITTR Pune and MSBTE Mumbai on 04.09.2017 to 08.09.2017.
31. Three days Short Term Training Program “First course detail workshop for first group Fifth semester programmes for ‘I’ Scheme” Jointly conducted by NITTR Pune and MSBTE Mumbai on 03.10.2017 to 03.10.2017.
32. Three days Short Term Training Program “Second Training cum course detailing workshop (1st Group 5th Semester program) for ‘I’ Scheme” Jointly conducted by NITTR Pune and MSBTE Mumbai on 12.12.2017 to 14.12.2017.

33. Two days' workshop on "Insight of Accreditation Process for Affiliated College" organized by AISSMS's College of Pharmacy, Pune and Savitribai Phule University, Pune on 06 to 07.02.2018.
34. Three days Short Term Training Program on "Draft Content Detailing of various courses of 6th Semester of 'I' Scheme" Jointly conducted by NITTR Pune and MSBTE Mumbai on 12.06.2018 to 14.06.2018.
35. One-day Orientation workshop on "Development of Lab Manual for 4th Semester of I Scheme" organized by Jointly conducted by NITTR Pune and MSBTE Mumbai on 28.06.2018.
36. Three days' workshop on "Development of Lab Manual for 4th Semester of I Scheme" organized by Siddheshwar Women's Polytechnic, Solapur and MSBTE Mumbai, on 11.07.2018 to 13.07.2018.
37. Three days' workshop on "Development of Lab Manual for 4th Semester of I Scheme" organized by Siddheshwar Women's Polytechnic, Solapur and MSBTE Mumbai, on 19.07.2018 to 21.07.2018.
38. Three days Short Term Training Program on "Draft Content Detailing of various courses of 6th Semester of 'I' Scheme" Jointly conducted by NITTR Pune and MSBTE Mumbai on 07.08.2018 to 09.08.2018.
39. Three days Short Term Training Program on "Second Additional Workshop for In-plant Training Course detailing and other remaining courses" of 'I' Scheme" Jointly conducted by NITTR Pune and MSBTE Mumbai on 10.09.2018 to 12.09.2018.
40. First Two days workshop for "Curriculum designing of Emerging Trends in Computer Engineering Group (CO/IF)" of 'I' Scheme" Jointly conducted by GP Pune and MSBTE Mumbai on 28.05.2019 to 29.05.2019.
41. Second Two days' workshop for "Curriculum designing of Emerging Trends in Computer Engineering Group (CO/IF)" of 'I' Scheme" Jointly conducted by GP Pune and MSBTE Mumbai on 05.07.2019 to 06.07.2019.
42. One Day Orientation Program for Emerging Trends of CO Group organized by AISSMS Polytechnic, Pune in association with MSBTE Mumbai on 04.01.2020.
43. One week Online FDP on "Python" organized by AISSMS COE, Pune in association with IIT Spoken Tutorial Mumbai from April 28 to May 04, 2020.
44. One week Online FDP on "Drupal" organized by MAEER's MIT Polytechnic, Pune with IIT Spoken Tutorial Mumbai from 30th April to 7th May, 2020.

45. One week Online FDP on “Python 3.4.3” organized by Sou Venutai Chavan Polytechnic, Pune with IIT Spoken Tutorial Mumbai from 11 to 15 May 2020.
46. One week Online FDP on “Linux” organized by JSPM Pune with IIT Spoken Tutorial Mumbai from 9 to 15 May, 2020.
47. One week Online FDP on “PHP and MySQL” organized by Pravara Rural Education Society's Sir Visvesvaraya Institute Of Technology, Nashik. with IIT Spoken Tutorial Mumbai from 8 to 13 May 2020.
48. One week Online FDP on “LATEX” organized by Bharati Vidyapeeth's College of Engineering for Women, Pune with IIT Spoken Tutorial Mumbai from 11 to 15 May 2020.
49. One week Online FDP on “JAVA” organized by AISSMS Polytechnic, Pune IT Dept. with IIT Spoken Tutorial Mumbai from 17 to 22 May, 2020.
50. One week Online FDP on “HTML” organized by Pimpri-Chinchwad Polytechnic, Pune with IIT Spoken Tutorial Mumbai from 25 to 30.05.2020.
51. One week Online FDP on “Python 3.4.3” organized by Government Polytechnic Awasari with IIT Spoken Tutorial Mumbai from 19 to 23.05.2020.
52. One week Online FDP on “LINUX” organized by Pimpri-Chinchwad Polytechnic, Pune with IIT Spoken Tutorial Mumbai from 21 to 25.05.2020.
53. One week Online FDP on “GITs” organized by MAEER's MIT Polytechnic, Pune with IIT Spoken Tutorial Mumbai from 25 to 30.05.2020.
54. Three Days National Level Online FDP on “Digital Literacy: Stepping into a New Normal” organized by MIT School of Education and Research, Loni Kalbhore, Pune from 21 to 23 May 2020.
55. One week National Online FDP on “Advanced Teaching Tools, Techniques and Methodologies for Outcome Based Education” ISTE and IEI Approved organized by AISSMS COE, Pune from 01 to 05 June 2020.
56. One Week Online Faculty Development Program on “Promoting Quality Culture in Technical Institutions” organized by AISSMS COE, Pune from 25 to 29 May 2020.
57. Three Days International Technical Symposium on “Opportunities & Challenges in Industry 4.0” organized by Institute of Technology, Aurangabad Supported by “GIZ MSME INNO Project” Germany from 15 to 17 June 2020.
58. Three Days State Level E-Learning Workshop for Teachers organized by Sanjay Ghodawat Polytechnic, Atigre, Dist. Kolhapur from 25 to 27 June 2020.
59. One-day National Level Webinar on “Energy Conservation Tips for Engineers” organized by AISSMS COE, Pune on 23 May 2020.

60. One-day National Level Webinar on “Redefining Life using IoT” organized by Cosmopolitan’s Valia C. L. College of Commerce & Valia L. C. College of Arts, Mumbai on 09 June 2020.
61. One-day International Webinar on “Employability Skills 2020-Post Covid-19” organized by AISSMS COE, Pune on 14 June 2020.
62. One-day Online Orientation session on ‘TRIZ & Design for Patentability’ organized by TRIZ Association of Asia on 18 June 2020.
63. One-day Webinar on “How to Conduct Virtual Labs” organized by AISSMS IOIT, Pune on 24 June 2020.
64. One-day National Level Webinar on "Effective Online Teaching Learning Process For Outcome Based Education" organized by JCEI's Jaihind College of Engineering Kuran (Pune) on 26 June 2020.
65. One-day Webinar on “Brain Control Robot” organized by AISSMS IOIT, Pune in association with Pantech E-Learning on 27 June 2020.
66. One-day Orientation session on ‘TRIZ Tools for Disruptive Cost Reduction’ organized by TRIZ Association of Asia on 25 June 2020.
67. One-day National Webinar on “Effective and efficient writing of research papers for web of science, Scopus indexed journal and Conference papers using Typeset Research Studio” organized by AISSMS COE, Pune on 01 July 2020.
68. One-day Webinar on “Gender Equality, Let’s Rise from Shadows” organized AISSMS COE, Pune in association with The Institution of Engineers (India), Kolkata on 15 July 2020.
69. One-day International webinar on "Open access and quality (comparing databases, inclusivity, questionable publishers) organized by AISSMS College of Engineering, Pune in association with DOAJ on 15 July 2020.
70. Five days online FDP organized by AICTE, New Delhi from 09 to 13 August 2022.
71. Three Days MSBTE workshop on Content Development for Courses in Third and Fourth Semester in Diploma Programme in Artificial Intelligence and Machine Learning from 28 to 30.04.2022.
72. Three Days MSBTE workshop on Content Development for Courses in Third and Fourth Semester in Diploma Programme in Artificial Intelligence and Machine Learning from 09 to 11.05.2022.
73. Two Days MSBTE workshop on Content Development for Courses in Fifth and Sixth Semester in Diploma Programme in Artificial Intelligence and Machine Learning on 17 and 18.03.2023.
74. Two Days MSBTE workshop on Content Development for Courses in Fifth and Sixth Semester in Diploma Programme in Artificial Intelligence and Machine Learning on 31.03.203 and 01.04.2023.

Professional Membership

Life member of

1. ISTE - (LM 30573)
2. Institute of Engineer (India) – (M1593913)

Award Won

Best Teacher Award (First Rank) in “AISSMS Excellence Award 2019” for Academic Year 2018-19