


<b>Dr. <u>Sayyad</u> Ajij Dildar</b> Professor and Dean (Academics), Electronics and Computer Engineering, Maharashtra Institute of Technology, Satara Village Road, Beed Bypass, Chhatrapati Sambhajnagar (Aurangabad), Maharashtra, India, PIN-431010.	
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## Curriculum Vitae

1.	Name (Expanded initials):		Dr. <u>Sayyad</u> Ajij Dildar		
2.	Date and Place of Birth:		Date of Birth: 01-06-1976 Place of Birth: Dhamangaon (Panche), Tal-Ashti, Dist- Beed, Maharashtra, India		
3.	Nationality:		Indian		
4.	Present Post held with complete address of the Institute:		Professor and Dean (Academics), Chhatrapati Sambhajnagar		
5.	Present Postal Address: Tel. No./Fax No./E-Mail/Mobile No.		Twin Bungalow No. B-6, Happy Home City, Paithan Road, Itkheda, Chhatrapati Sambhajnagar, State- Maharashtra, Country -India PIN-431001. <b>Mobile No. :</b> +91-9175902905 <b>E-mail:</b> sayyad_ajij@yahoo.com, ajij.sayyad@mit.asia		
6.	Passport details:		Passport No.: , Nationality: Indian Passport valid till: 04/02/2028		
7.	Educational Qualifications (Starts from latest):				
Degree/ Diploma		Division/Grade	Year	Subjects Taken	Name of University/ Institute
PhD (Degree)		PhD degree awarded	2009	Systems and Control Engineering	Indian Institute of Technology (IIT, Bombay), Mumbai, Maharashtra
Master of Engineering Degree)		First Class with Distinction	2002	Instrumentation Engineering	Swami Ramanand Teerth Marathwada University, Nanded, Maharashtra
Bachelor of Engineering Degree)		First Class with Distinction	1997	Instrumentation Engineering	Pune University, Maharashtra
Higher Secondary Certificate		First Class with Distinction	1993	Science Stream	Pune Board, Maharashtra
Secondary School Certificate		First Class with Distinction	1991	General	Pune Board, Maharashtra

8.	Professional Experience (Starts from latest):			
Address of the Office / Organization / Institution	Post Held	Duration		Specific Experience: P. G. Teaching / Research / Industrial
		From (Date)	To (Date)	
G. S. Mandal's MIT, Satara Village Parisar, Off Beed By Pass, Chhatrapati Sambhajnagar, Maharashtra, India 431 010, Maharashtra, India. (Affiliated to Dr. B. A. Marathwada University, Chhatrapati Sambhajnagar)	Currently Professor (Full Time) Earlier post as Associate Professor and Lecturer	01.08.2008	Till date	Taught for PG courses in the program: M. E. (Embedded Systems) and M. Tech (AIML) involvement in research as Research Guide /Supervisor
Shadan Collage of Engineering and Technology, Hyderabad, 500008, Andhra Pradesh, India. (Affiliated to Dr. J. N. Technological University, Hyderabad)	Assistant Professor (Full Time)	18.10.2002	19.06.2003	---
Padmashri Dr. Vittalrao Vikhe Patil Collage of Engineering, Ahmednagar, 414111, Maharashtra, India. (Affiliated to Pune University, Pune)	Lecturer (Full Time)	19.01.2000	12.08.2000	---
Pravara Rural Eduacation Society, Pravara Rural Engineering Collage, Loni, 413736, Maharashtra, India. (Affiliated to Pune University, Pune)	Lecturer (Full Time)	12.01.1998	30.11.1999	Taught for PG course: M. E. (Mechatronics)
<b>Total Teaching Experience (Academic Position) : 21 Years</b>				

8.	Details of Published work: Patent, Copyright, Journal Articles, Conference Papers, etc						
No. of Patents	No. of Copyrights (published)	No. of Awards / Recognitions	No. of PhD Students guided	No. of Publications (International)	No. of Publications (National)	No. of PG guided	Details of Memberships in Societies
04	01	05	06	International Journal- 43 Book Chapter - 02 International Conference- 10	National Journal- 02 National Conference- 01	15	Life Membership of ISTE Professional Society (LM1074 84)
Details in subsection (A)	Details in subsection (B)	Details in subsection (C)	Details in subsection (D)	Details in subsection (E)	Details in subsection (F)	---	---

Details for **Section-8** are given in **Annexure-I**:

9.	Brief of Subject Taught:			As below:		
	Sr. No.	Subject Taught	Course Level	Sr. No.	Subject Taught	Course Level
	1	Optimization Techniques	Post Graduate	8	Research Methodology	Post Graduate
	2	Robotics and Automation	Post Graduate	9	Feedback Control Systems	Under Graduate
	3	Mechatronics	Post Graduate	10	Modern Control Theory	Under Graduate
	4	Fuzzy Logic and Neural Networks	Under Graduate	11	Process modeling and Simulation	Under Graduate
	5	Control Systems	Under Graduate	12	Process Control	Under Graduate
	6	Signals and Systems	Under Graduate	13	Advanced Instrumentation	Under Graduate
	7	Artificial Intelligence	Under Graduate	14	Industrial Automation	Under Graduate
10.	Nature of duties handled during my academic tenure are as follows:					
	<ul style="list-style-type: none"><li>▪ Handling 16-20 Hrs /week Theory and Practical classes for under-graduate and post-graduate students as per teaching load assigned.</li><li>▪ Working as a research centre head for PhD students. It includes the assignments like Preparing the proposal, budget, laboratory set-up, etc.</li><li>▪ Supervising student’s laboratory work, Seminar, dissertation, research projects, etc.</li><li>▪ Functioning as Teacher guardian/mentor to the Under-graduate course students.</li><li>▪ Acting as an examiner for University theory and practical examinations. Preparing academic reports and helping in administrative work at department level.</li><li>▪ During this tenure, I worked at administrative position (Head of Department - Electronics and Telecommunication engineering and Vice-Principal (Academics), IQAC Coordinator and currently handling the responsibility as Dean (Academics). The tenure is more than 10 years. I was involved to follow curricular of Institute/ University as per academic calendar, planning and developing department for accreditation (NBA/NAAC), University affiliation, research &amp; development program, NEP Implementation, etc.</li></ul>					
11.	Research Experience:					
	From July 2003	Till July 2008	Indian Institute of Technology, Bombay, Mumbai	Full time PhD Scholar at Systems and Control Engineering Department	Received Teaching Assistantship from MHRD, GOI,	
	Current Research Interests:			1) Wireless Sensor Networks 2) Optimization Techniques 3) Artificial Intelligence 4) Robotics 5) Industrial IOT		

12.	<b>Training and Workshops Attended/Conducted:</b>
	<ol style="list-style-type: none"> <li>1. Online Elementary FDP on "Smart City Solutions for Sustainable Future" from 02/08/2021 to 06/08/2021 at BMS College of Engineering, Bengaluru, Karnatka, under AICTE Training And Learning (ATAL) Academy.</li> <li>2. Online Elementary FDP on " Data Science with Statistical Methods using R Programming- Basic Course" from 21/06/2021 to 25/06/2021 at Amity University Uttar Pradesh, Lucknow Campus under AICTE Training And Learning (ATAL) Academy.</li> <li>3. Online Elementary FDP on " Artificial Intelligence &amp; Machine Learning (AI&amp;ML- 2021)" from 05/07/2021 to 09/07/2021 at College of Engineering &amp; Technology, Bhubaneshwar, under AICTE Training And Learning (ATAL) Academy.</li> <li>4. One day workshop on “New Education Policy: Role of DBATU”, June 30, 2019, at MIT, Aurangabad.</li> <li>5. One week ICT mode Short Term Training Program (STTP) on- “NBA Accreditation” sponsored by NITTTT, Kolkata during 22-26 May 2019 (<b>Institute Coordinator</b>).</li> <li>6. Faculty Development Workshop on “Revised NAAC Methodology for the Principals / IQAC Coordinators of Affiliated Colleges”, February 11-13, 2019 at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.</li> <li>7. Four days national level workshop on “MatLab, Simulink and Low Cost Design using Signal and Image Processing Toolbox”, 16-19 December 2015, at MIT, Aurangabad (<b>Organizing Secretary</b>).</li> <li>8. One day workshop on “LabVIEW- Data Acquisition Systems” at Aurangabad, Maharashtra (Date: 29<sup>th</sup> July 2015).</li> <li>9. One day workshop on “Industry-Institute Partnership” at B. V. B. College of Engineering, Hubli, Karnataka (Date: 3<sup>rd</sup> July 2015).</li> <li>10. One day Seminar cum Expo on “MatLab Expo 2015 India” at Pune, Maharashtra (Date : 26<sup>th</sup> May 2015).</li> <li>11. Three- One day workshop on “Outcome based Education” at my Institute (Date: July 2014, October 2014 and January 2015).</li> <li>12. Two days national level workshop on “Research Methodology”, 13-14 March 2015, at MIT, Aurangabad (<b>Joint Organizing Secretary</b>).</li> <li>13. One day workshop on “MATLAB and Simulink for Signal Processing” at Lemon tree Hotel, Aurangabad (Date: 7<sup>th</sup> December 2014).</li> </ol>

	<p><b>14.</b> IEEE Indian Antenna week, 3-7 June 2013, at MIT, Aurangabad (<b>Maharashtra Liaison Officer</b>).</p> <p><b>15.</b> One day Virtual training program on “Aakash II” MIT Aurangabad (Date: 11<sup>th</sup> -12<sup>th</sup> November 2012), An Initiative from IIT, Mumbai to train ISTE teachers in applications of Aakash-2 Tablet.</p> <p><b>16.</b> Five day workshop on “PLC based Automation” at MIT Aurangabad (Date: 29<sup>th</sup> October to 2<sup>nd</sup> November 2012).</p> <p><b>17.</b> One day workshop on “Industrial Automation: Conclave- 2012” at Station Road, VITS Hotel, Aurangabad (Date: 5<sup>th</sup> September 2012).</p> <p><b>18.</b> National Level Conference -“Technomillennium - 2010”, 15-17 September 2010, at MIT, Aurangabad (<b>Organizing Secretary</b>).</p> <p><b>19.</b> National Level Conference -“Signal Processing”, 5-6 March 2009, at MIT, Aurangabad (<b>Organizing Secretary</b>).</p> <p>And many more -----</p>
<b>13.</b>	<b>Google Scholar Citations:</b>
	<p>for verifying the Google Scholar citations:  <a href="https://scholar.google.co.in/citations?user=g_JAcvAAAAAJ&amp;hl=en">https://scholar.google.co.in/citations?user=g_JAcvAAAAAJ&amp;hl=en</a> </p>

**Date: 01/ 04/ 2025**

**Place: Chhatrapati Sambhajnagar**

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**(Dr. Sayyad Ajij D.)**

## ANNEXURE-1

### International Journal Publications List of Dr. Ajij D. Sayyad – Total Count 43

Category 1: SCI or Web of Science Journals : Search link: <https://mjl.clarivate.com/search-results>

Category 2: UGC Care list Group –II, **Scopus** Indexed: Search link: <https://www.scopus.com/sources.uri>

Category 3: UGC Care list Group –I, **Scopus** Indexed:

Search link: <https://ugccare.unipune.ac.in/Apps1/User/WebA/SearchList>

- [1] **Ajij Sayyad**, B. Seth, and P. Seshu, “Single-Legged Hopping Robotics Research—A Review”, Robotica, Vol 25, No. 5, 2007, pp. 587-613 (SCIE Indexed), doi:10.1017/S0263574707003487.

**weblink:** <https://www.cambridge.org/core/journals/robotica/article/abs/singlelegged-hopping-robotics-researcha-review/2102DC1BFE06F31DD6CF78AD6678C1E6>

**WoS Search Link:** [https://mjl.clarivate.com://search-results?issn=0263-5747&hide\\_exact\\_match\\_fl=true&utm\\_source=mjl&utm\\_medium=share-by-link&utm\\_campaign=search-results-share-this-journal](https://mjl.clarivate.com://search-results?issn=0263-5747&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal)

- [2] Syed Sumera Ershad Ali, and **Sayyad Ajij Dildar**, “An efficient quality inspection of food products using neural network classification”, Journal of Intelligent Systems, De Gruyter, Vol 29, No. 1, 2020, pp. 1425-1440. (WoS/SCI Indexed).

**weblink:** <https://www.degruyter.com/document/doi/10.1515/jisys-2018-0077/html?lang=en>

**WoS Search Link:** [https://mjl.clarivate.com://search-results?issn=0334-1860&hide\\_exact\\_match\\_fl=true&utm\\_source=mjl&utm\\_medium=share-by-link&utm\\_campaign=search-results-share-this-journal](https://mjl.clarivate.com://search-results?issn=0334-1860&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal)

- [3] Bansode Balbhim Narhari, Bakwad Kamlakar Murlidhar, **Ajij Dildar Sayyad**, and Ganesh Shahubha Sable, “Automated Diagnosis of Diabetic Retinopathy Enabled by Optimized Thresholding-Based Blood Vessel Segmentation and Hybrid Classifier”, Bio-Algorithms and Med-Systems, De Gruyter, Vol 17, No. 1, 2021, pp. 9-23 (WoS/SCI Indexed).

**weblink:** <https://www.degruyter.com/document/doi/10.1515/bams-2020-0053/html>

**WoS Search Link:** [https://mjl.clarivate.com://search-results?issn=1895-9091&hide\\_exact\\_match\\_fl=true&utm\\_source=mjl&utm\\_medium=share-by-link&utm\\_campaign=search-results-share-this-journal](https://mjl.clarivate.com://search-results?issn=1895-9091&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal)

- [4] Balbhim Narhari Bansode, Bakwad K.M., **Ajij Sayyad Dildar**, and Sable G.. S. ,“ Deep CNN-Based Feature Extraction with Optimised LSTM for Enhanced Diabetic Retinopathy Detection”, Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization, Taylor and Francis Online, 2022, Online mode. (WoS/SCI Indexed).

**weblink:** <https://www.tandfonline.com/doi/full/10.1080/21681163.2022.2124545>

WoS Search Link: [https://mjl.clarivate.com://search-results?issn=1025-5842&hide\\_exact\\_match\\_fl=true&utm\\_source=mjl&utm\\_medium=share-by-link&utm\\_campaign=search-results-share-this-journal](https://mjl.clarivate.com://search-results?issn=1025-5842&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal)

- [5] Sohail Rana Khan, and Sayyad Ajij, “Communication on SWIPT and EH Using Electromagnetic Behaviour for Power Allocation in Wireless Networks”, Journal of The Institution of Engineers (India): Series B, Vol 98, No. 6, 2017, pp. 599–616. <https://doi.org/10.1007/s40031-017-0285-5> (Scopus Indexed and listed in UGC-care, Group-II)  
weblink: <https://link.springer.com/article/10.1007/s40031-017-0285-5?noAccess=true>

Scopus Indexed and listed in UGC-care Search link for Journal:  
<https://www.scopus.com/sourceid/21100831436>

- [6] Mazher Sarfaraz Khan, and Sayyad Ajij, D., “Testing Reliable-AODV for Mobile Ad-Hoc Network Using Test-Bed Architecture”, International Journal of Innovative Technology and Exploring Engineering, Vol 8, No. 10, 2019, pp. 109–114. (Scopus Indexed and listed in UGC-care, Group-II)  
weblink: <https://www.ijitee.org/wp-content/uploads/papers/v8i10/I8721078919.pdf>

Scopus Indexed and listed in UGC-care Search link for Journal:  
<https://www.scopus.com/sourceid/21100889409>

- [7] Mazher Sarfaraz Khan, and Sayyad Ajij, D., “Cross layer interaction for strong route selection in AODV for MANET”, International Journal of Innovative Technology and Exploring Engineering, Vol 8, No. 10, 2019, pp. 1637–1642. (Scopus Indexed and listed in UGC-care, Group-II)  
weblink: <https://www.ijitee.org/wp-content/uploads/papers/v8i10/J88380881019.pdf>

Scopus Indexed and listed in UGC-care Search link for Journal:  
<https://www.scopus.com/sourceid/21100889409>

- [8] Mohammed Zakee Ahmed, and Ajij D. Sayyad, “Designing a Novel PTS Method to Reduce Peak to Average Power Ratio in OFDM”, International Journal of Innovative Technology and Exploring Engineering, Vol 9, No. 1, 2019, pp. 431–435 (Scopus Indexed and listed in UGC-care, Group-II).  
weblink: <https://www.ijitee.org/wp-content/uploads/papers/v9i1/A4179119119.pdf>

Scopus Indexed and listed in UGC-care Search link for Journal:  
<https://www.scopus.com/sourceid/21100889409>

- [9] Tukaram D. Shep, and **Ajij D. Sayyad**, “Effect of Electromagnetic Wave on Human Heart”, International Journal of Innovative Technology and Exploring Engineering, Vol 9, No. 4, **2020**, pp. 3069-74. (**Scopus Indexed and listed in UGC-care, Group-II**).  
**weblink:** <https://www.ijitee.org/wp-content/uploads/papers/v9i4/D1105029420.pdf>

**Scopus** Indexed and listed in UGC-care Search link for Journal:

<https://www.scopus.com/sourceid/21100889409>

- [10] Tukaram Shep and **Dr. Sayyad Ajij**, “Computational techniques for ECG Analysis on Preliminary Chronic Effects of Electromagnetic Impressions on Human Heart: Contribution to Medical Advances”, Neuroquantology, Vol 20, No. 15, **2022**, pp. 836-848, DOI: 10.14704/NQ.2022.20.15.NQ88080. (**Scopus Indexed and listed in UGC-care, Group-II**).  
**weblink:** [https://www.neuroquantology.com/open-access/Computational+techniques+for+ECG+Analysis+onPreliminary+Chronic+Effects+ofElectromagnetic+Impressions+on+Human+Heart%253A+Contribution+to+Medical+Advances\\_8088/](https://www.neuroquantology.com/open-access/Computational+techniques+for+ECG+Analysis+onPreliminary+Chronic+Effects+ofElectromagnetic+Impressions+on+Human+Heart%253A+Contribution+to+Medical+Advances_8088/)

**Scopus** Indexed and listed in UGC-care Search link for Journal:

<https://www.scopus.com/sourceid/11600154151>

- [11] Khan M. A., **Sayyad Ajij** and Mazher Khan, “Fabric Defect Detection: A Novel Approach Using Hybrid Deep Learning and Image Segmentation”, REDVET - Revista electronica de Veterinaria - ISSN 1695-7504, Vol 25, No. 1, **2024**, pp. 1822-27. (**Scopus Indexed and listed in UGC-care, Group-II**).  
**weblink:** <https://www.veterinaria.org/index.php/REDVET/article/view/1020/681>

**Scopus** Indexed and listed in UGC-care Search link for Journal:

<https://www.scopus.com/sourceid/19900193646>

- [12] Khan M. A., **Sayyed Ajij D.** and Mazher Khan, “Fabric Defect Detection through thermal image Processing – Methodology, Challenges and experimental Validation”, Journal of the Textile Association, ISSN 0368-4636, Vol 85, No. 3, **2024**, pp. 301-306. (**Scopus Indexed and listed in UGC-care, Group-II**).  
**weblink:** [https://www.textileassociationindia.org/\\_files/ugd/aecc8c\\_1f861c5103284c55b76d0e09fff251a1.pdf](https://www.textileassociationindia.org/_files/ugd/aecc8c_1f861c5103284c55b76d0e09fff251a1.pdf)

**Scopus** Indexed and listed in UGC-care Search link for Journal:

<https://www.scopus.com/sourceid/17115>



- [13] Prof. Syeda Sumera Ershad Ali, and **Dr. Sayyad Ajij Dildar**, “Whale Optimized MLP Neural Network And Enhanced Region Growing for Food Product Inspection”, International Journal of Advanced Science and Technology, Vol 29, No. 3, **2020**, pp. 11155 – 11174. (**Scopus Indexed and listed in UGC-care, Group-II**).  
**weblink:** <http://sersc.org/journals/index.php/IJAST/article/view/28011>  
**Scopus** Indexed and listed in UGC-care Search link for Journal: <https://www.scopus.com/sourceid/21100829147>
- [14] Mazher Khan, and **Dr. Sayyad Ajij D.**, “Strong Rout Selection in AODV Using RSS through CLD”, International Journal of Advanced Research in Engineering and Technology, Vol 5, No. 10, **2014**, pp. 151-156. (**Scopus Indexed and listed in UGC-care, Group-II**).  
**weblink:** [https://iaeme.com/MasterAdmin/Journal\\_uploads/IJARET/VOLUME\\_5\\_ISSUE\\_10/IJARET\\_05\\_10\\_010.pdf](https://iaeme.com/MasterAdmin/Journal_uploads/IJARET/VOLUME_5_ISSUE_10/IJARET_05_10_010.pdf)  
**Scopus** Indexed and listed in UGC-care Search link for Journal: <https://www.scopus.com/sourceid/21100944103>
- [15] Tukaram Shep, and **Ajij Sayyad**, “Evaluating Numerous Techniques for the Effects of Electromagnetic Waves on the Electro Cardio Gram (ECG)”, Journal of Autonomous Intelligence, Vol 7, No. 2, **2024**, pp. 1-16. (**Scopus Indexed and listed in UGC-care, Group-II**).  
**weblink:** <https://jai.front-sci.com/index.php/jai/article/view/959/780>  
**Scopus** Indexed and listed in UGC-care Search link for Journal: <https://www.scopus.com/sourceid/21101111528>
- [16] Tukaram Shep, **Dr. Ajij Sayyad**, and Mohammad Zeeshan Raziuddin, “A Comprehensive Review of the Impact of Mobile Phone Electromagnetic Waves on Human Heart and ECG Parameters: Insights from Recent Studies”, IJFANS International Journal of Food and Nutritional Sciences, Vol 11, No. 4, **2022**, pp. 727-741. (**Scopus Indexed and listed in UGC-care, Group-I**)  
**weblink:** <https://ijfans.org/issue-content/a-comprehensive-review-of-the-impact-of-mobile-phone-electromagnetic-waves-on-human-heart-and-ecg-parameters-insights-from-recent-studies-5529>  
**Scopus** Indexed and listed in UGC-care Search for Journal: **Screenshot** Attached (Next Page)
- [17] Tukaram Shep, **Dr. Ajij Sayyad**, and Mohammad Zeeshan Raziuddin, “Assessing the Effects of Electromagnetic Waves on Electro Cardio Gram (ECG): A Multidimensional Approach”, IJFANS International Journal of Food and Nutritional Sciences, Vol 11, No. 7, **2022**, pp. 4017-4035. (**Scopus Indexed and listed in UGC-care, Group-I**)  
**weblink:** <https://ijfans.org/issue-content/assessing-the-effects-of-electromagnetic-waves-on-electro-cardio-gram-ecg-a-multidimensional-approach-5527>  
**Scopus** Indexed and listed in UGC-care Search for Journal: **Screenshot** Attached (Next Page)

https://ugccare.unipune.ac.in/Apps1/User/WebA/SearchList

### UGC-CARE List

UGC-CARE List

You searched for "food and Nutritional". Total Journals : 1

Search:

Sr.No.	Journal Title	Publisher	ISSN	E-ISSN	UGC-CARE coverage years	Details
1	International Journal of Food and Nutritional Sciences	Global E smart Technologies	2319-1775	2320-7876	from January-2021 to January- 2023	Discontinued from Jan 2023

Showing 1 to 1 of 1 entries

Previous 1 Next

- [18] Balbhim Narhari Bansode, Dr. **Ajij Dildar Sayyad**, Dr. Chintakindi Vidya Sagar and Dr. Bakwad K.M., "Detection and Classification of Disease of Eyes by using Clustering Algorithms", International Journal of Computer Engineering and Applications, Vol. XII, Special Issue, April **2018**, pp 1-6, ISSN 2321-3469. (UGC Approved Journal, UGC No-26412).  
**weblink:** <https://ijcea.com/volume-xii/>
- [19] Tukaram Shep, **Dr. Sayyad Ajij**, and Dr. Mazher Khan, "Mathematical Model Optimization Techniques under Unreliable Electromagnetic Field for ECG Waves", International Journal of Innovative Engineering and Management Research, Vol 10, No. 11, Nov **2021**, pp. 184-190. (Elsevier SSRN Indexed and Peer reviewed Open Access Journal) ISSN: 2456-5083  
**weblink:** <https://www.ijiemr.org/public/uploads/paper/505641637496827.pdf>
- [20] Akshaya P. Sahastrabuddhe and **Dr. Sayyad D. Ajij**, "Blood group Detection and RBC, WBC Counting: An Image Processing Approach", International Journal of Engineering and Computer Science, Volume 5, Issue 10, Oct. **2016**, pp. 18635-18639. (Peer reviewed Open Access Journal) ISSN: 2319-7242  
**weblink:** <http://www.ijecs.in/index.php/ijecs/article/view/2694/2491>
- [21] Manpreetkour Basantsingh Sardar and **Dr. Sayyad D. Ajij**, "Fruit Recognition and its Calorie Measurement: An Image Processing Approach", International Journal of Engineering and Computer Science, Volume 5, Issue 10, Oct. **2016**, pp. 18675-18678. (Peer reviewed Open Access Journal) ISSN: 2319-7242  
**weblink:** <http://www.ijecs.in/index.php/ijecs/article/view/2704/2500>
- [22] Manisha P Jadhav and **Ajij D Sayyad**, "IOT Based Home Automation", International Journal for Multidisciplinary Research (IJFMR), Vol 6, Issue 1, Jan-Feb. **2024**, pp. 1-9. (Peer reviewed Open Access Journal) eISSN: 2582-2160  
**weblink:** <https://www.ijfmr.com/papers/2024/1/12996.pdf>

- [23] Umesh D. Shirale and **Dr. Ajij Sayyad**, “Classification of Potato Plant Leaf Diseases Using Convolution Neural Networks”, ESP Journal of Engineering & Technology Advancements, Vol 3, Issue 1, Feb. **2023**, pp. 98-106. (Peer reviewed Open Access Journal) Doi: 10.56472/25832646/JETA-V3I2P105 , ISSN: 2583-2646  
**weblink:** <https://www.espjeta.org/Volume3-Issue1/JETA-V3I2P105.pdf>
- [24] **Ajij Sayyad**, K. Kurien Issac, and Bharatendu Seth, “An Asymmetrical One-Legged Hopping Robot Control: Discrete-Time Sliding Mode Approach”, Revue "Annals of the University of Craiova - Series: Automation, Computers, Electronics and Mechatronics", Vol 4, Issue 31, **2007**, pp.142-150.  
**weblink:** <http://ace.ucv.ro/anale/content2007vol4nr2.html> (Print Journal)
- [25] Mohd Aamirullah Inamdar, and **Dr. Sayyad Ajij D**, “Control Command for Microwave Link Acknowledgement and Its Trouble-Shooting Strategy”, Int. Journal of Multidisciplinary Research, Vol 1, Issue 12, **2013**, pp. 54-57. (Print Journal)
- [26] Geethu S. Nair, and **Dr. Sayyad Ajij D**, “Automated Method for Lung Nodule Detection for Surgical Pre-Processing”, Int. Journal of Multidisciplinary Research, Vol 1, Issue 12, **2013**, pp. 65-68. (Print Journal)
- [27] Seema S. Satarkar, and **Dr. Sayyad Ajij D**, “An Image Processing System for Leaf Disease Detection and Diagnosis”, Int. Journal of Multidisciplinary Research, Vol 1, Issue 12, **2013**, pp. 69-72. (Print Journal)
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## Book Chapters- 02

- [44] **Title** - MLP-WOA Neural Network Based Automated Grading of Fruits & Vegetable Quality Detection for Food Industry using Artificial Intelligence Techniques (Computer Vision - Image Recognition), **Authors:** Syed Sumera Ershad Ali, and **Sayyad Ajij Dildar**, **Publisher** Springer Singapore, **Book:** Applications of Artificial Intelligence in Engineering Published **on:** July 7, 2021, **eBook ISBN** 978-981-334-604-8, **Hardcover ISBN** 978-981-334-603-1 , **Series ISSN** 2524-7565 , DOI 10.1007/978-981-33-4604-8.  
**Weblink:**  
<https://books.google.co.in/books?id=p5AtEAAQBAJ&pg=PA538&lpg=PA538&dq=mlp->

[woa+springer+sayyad+ajij&source=bl&ots=WKVX5CRM-4&sig=ACfU3U0\\_PvEVniXUyGuiRSeJPSiyfAsUWA&hl=en&sa=X&ved=2ahUKEwjo5LiQisj5AhUyR2wGHcMsAwwQ6AF6BAgUEAM#v=onepage&q=mlp-woa%20springer%20sayyad%20ajij&f=false](https://www.springer.com/series/8767?source=bl&ots=WKVX5CRM-4&sig=ACfU3U0_PvEVniXUyGuiRSeJPSiyfAsUWA&hl=en&sa=X&ved=2ahUKEwjo5LiQisj5AhUyR2wGHcMsAwwQ6AF6BAgUEAM#v=onepage&q=mlp-woa%20springer%20sayyad%20ajij&f=false)

- [45] **Title** - AI-Based Smart Innovation in Food Quality Inspection for Smart City, **Publisher** Springer Singapore, **Authors**: Syed Sumera Ali, and **Sayyad Ajij Dildar**, **Book**: Smart Innovation, Systems and Technologies, **Published on**: June 26, 2021, **eBook ISBN** 2190-3026, Print ISSN 2190-3018.  
**weblink**: <https://www.springer.com/series/8767>

#### **No. of Patents: 04**

- 1) Patent type: Indian Patent Office Journal No. 47/2019, dated 22/11/2019  
Patent application No.: 201921044318 A Patent Publication Date: 22/11/2019  
Title of the invention: Symbol Scrambling and Filtering Technique for Peak-To-Average Power Reduction In OFDM  
Name of Inventors: 1) Mohammed Zakee Ahmed Mohammed Shamsuddin 2) **Sayyad Ajij Dildar**  
3) Shaikh Mohammed Aamer Saleem
- 2) Patent type: Indian Patent Office Journal No. 43/2021 Dated 22/10/2021  
Patent application No.: 202131042477 A Patent Publication Date: 22/10/2021  
Title of the invention: Intelligent System and Method for Tracking Personal Financial Data Based On Block Chain  
Name of Inventors: 1) Dr. Satish Kumar Kalhotra, 2) Dr. R. Ramachandran, 3) Dr. Mazher Khan,  
4) Dr. Amairullah Khan Lodhi, 5) Leelavathy S R, 6) Mr. Sadaat Khaled Sayed,  
7) Dr Shilpi Kulshrestha, 8) M A Sameer, 9) **Dr. Sayyad Ajij**, 10) Tukaram Shep,  
11) Dr. Pavithra G. and 12) Dr. T.C.Manjunath
- 3) Patent type: Indian Patent Office Journal No. 51/2023 Dated 22/12/2023  
Patent application No.: 202341085056 A Patent Publication Date: 22/12/2023  
Title of the invention: To Develop an Expert System to Determine the Freshness of Chicken Eggs and Classify Chicken Eggs  
Name of Inventors: 1) Priti Prakash Patil, 2) V. N.Patil, 3) Umesh Devsing Shirale 4) **Ajij Dildar Sayyad** 5) N.Gopinath
- 4) Patent type: Indian Patent Office Journal No. 51/2023 Dated 22/12/2023  
Patent application No.: 202341085068 A Patent Publication Date: 22/12/2023  
Title of the invention: Enhance the Level of Crop Yield by Automated Disease Prediction and Remedies Using IOT And AI  
Name of Inventors: 1) Umesh Devsing Shirale 2) **Ajij Dildar Sayyad** 3) Priti Prakash Patil,  
4) V. N.Patil, 5) N.Gopinath



**No. of Copyrights: 01**

Copyright type: Indian

Publication Date: 01/10/2020

Registration No.: L-95249/2020

Class and description of the work: Literary/ Dramatic Work

Title of the work: Academic Course File Based on Outcome Based Education (OBE)

Name of Applicants: 1) Dr. Ganesh S Sable, 2) **Dr. Ajij Sayyad**, 3) Dr. Prashant M. Ambad,  
4) Dr. Santosh Bhosle**No. of Awards / Recognitions: 05**

01.	Member of the Board of studies in Electronics and Telecommunication Engineering, Electronics Engineering and Biomedical Engineering at Dr. B. A. Technological University, Lonere, Maharashtra
02.	Recognition as a Research Guide under Electronics Engineering at Dr. B. A. Marathwada University, Chhatrapati Sambhajnagar (Aurangabad)
03.	Recognition as a Research Supervisor under Electronics Engineering at Dr. B. A. Technological University, Lonere, Maharashtra
04.	Recognition as a Post-Graduate teacher under Electronics Engineering at Dr. B. A. Marathwada University, Chhatrapati Sambhajnagar (Aurangabad)
05.	Recognition as a Post-Graduate teacher under Electrical Engineering at Dr. B. A. Marathwada University, Chhatrapati Sambhajnagar (Aurangabad)

**No. of PhD Students guided (completed/submitted): 06**

I had been recognized as a **Research Guide** by Dr. B. A. M. University, Chhatrapati Sambhajnagar in the subject of **Electronics Engineering** under faculty of Engineering and Technology. **Eight** students registered with me for research work. **Six** research scholars completed Ph.D. degree. Details are as below:

Sr. No.	Name of the Research Scholars	Research Topic /Area	Progress status /Remarks
01.	Mr. Sohel Rana Abdul Sattar Khan	Wireless Networks	PhD <b>awarded</b> in December <b>2018</b> Year of Admission: <b>2015</b> .
02.	Mr. Mazher Sarfaraz Khan	Strong Rout Selection in AODV using RSS and CLD	PhD <b>awarded</b> in February <b>2020</b> Year of Admission: <b>2015</b> .
03.	Mr. Mohammed Zakee Ahmed	Multimodal OFDM system	PhD <b>awarded</b> in April <b>2021</b> Year of Admission: <b>2015</b> .
04.	Ms. Sumera Ali Syed Ershad Ali Syed	Fruit Quality Prediction using Image Processing	PhD <b>awarded</b> in June <b>2021</b> Year of Admission: <b>2015</b> .
05.	Mr. Tukaram Dnyanoba Shep	Effects of EM Waves on ECG	PhD <b>awarded</b> in November <b>2024</b> Year of Admission: <b>2015</b> .
06	Mr. Khan Mohammad Ali	Pattern Recognition using Image Processing	PhD <b>Thesis Submitted</b> in March <b>2025</b> Year of Admission: <b>2016</b> .

**International Conference papers: 10 & many more Presented certificates attached**

Sr. No.	Author and Title of the Paper	Conference Name	Weblink or Certificate Available	Conference Venue & Organizer	Dates
1.	<b>A. Sayyad, B. Seth, K. Issac</b> Dynamics and control of a 2D one-legged SLOM hopping robot	IFTToMM 2007 World Congress	<a href="https://www.semanticscholar.org/paper/Dynamics-and-Control-of-a-One-legged-2-D-SLOM-Robot-Sayyad-Seth/dc093011ffa4537654307d8c85adc07b6d77e893">https://www.semanticscholar.org/paper/Dynamics-and-Control-of-a-One-legged-2-D-SLOM-Robot-Sayyad-Seth/dc093011ffa4537654307d8c85adc07b6d77e893</a>	France	17-21 June 2007
2.	<b>Ajij Sayyad, Bharatendu Seth, and Kurien K. Issac,</b> Discrete-time sliding mode control of one-legged hopping robot	Inter. Symposium-SINTES 13	<a href="https://ace.ucv.ro/sintes13/SINTES13_2007/Mechatronics/17%20Sayyad%2059.pdf">https://ace.ucv.ro/sintes13/SINTES13_2007/Mechatronics/17%20Sayyad%2059.pdf</a>	Craiova, Romania	18-20, Oct. 2007
3.	Texture classification using neural network	2 <sup>nd</sup> International conference on Mobility for life	<b>Certificate Available</b>	Nashik, India	14-15 March 2013
4.	Leaf disease detection of cotton plant using image processing	IEEE International Conference on Computer Technology	<b>Certificate Available</b>	Pune, India	March 22-24, 2014
5.	Cluster size analysis of Multihop dynamic channel allocation for mobile communication	International Conference on SMAC	<b>Certificate Available</b>	VIM Pune, India	March 5-6, 2014
6.	Underwater wireless communication challenges and research methodologies	First International Conference on E&TC	<b>Certificate Available</b>	Pune, India	April 5-6, 2014
7.	Survey, Study and Review of Coordinate System Notations using 3D Environment for Better Understanding of EM Fields Behavior	Thirteenth International Conference on Wireless and Optical Communications Networks	---	GITAM School of Tech., Hyderabad, India	21- 23 July 2016



Sr. No.	Title of the Paper	Conference Name	Weblink or Certificate Attached	Conference Venue & Organizer	Dates
8.	Design and Simulation of NFC Printed Antenna in Near Field Wireless Communication for SDC	IEEE International conference on Distributed Computing, VLSI, Electrical Circuits and Robotics	---	NIT Surathkal, India	13-14 August 2016
9.	Cross Layer Design Approach for Congestion Control in MANETs	IEEE International Conference on Advances in Electronics, Communication and Computer Technology	---	Pune, India	2-3 Dec. 2016
10	Evaluation of Methodologies for Measurement of PAPR in OFDM	International Conference on Wireless Communications, Signal Processing and Networking	---	Chennai, India	22 – 24 March 2017

#### National Journal Papers: 02

Sr. No.	Title of the Paper	Journal Name	Volume & Issue	Published Year	Publisher
1.	Control command for microwave link acknowledgement and its troubleshooting strategy	Indian Journal of Applied Research	Vol. 3, No.4	April 2013	Indian Journal of Applied Research, Ahmedabad, India
2.	Improvement of Throughput in MANET Using RSS in AODV By Cross Layer Design	Indian Journal of Applied Research	Vol. 4, No.5	May 2014	Indian Journal of Applied Research, Ahmedabad, India

#### National Conference papers: 01

Sr. No.	Title of the Paper	Conference Name	Conference (National / International)	Conference Venue	Dates
1.	Review Paper on Detection of Diseases of Eyes using Soft Computing Technique	National Conference on Current Trends in Science, Engineering & Technology	National	Jalgaon, India	20 March 2016

#### Other Publications: 02

**Title of Ph.D. Thesis:** Dynamics and Control of a single legged offset mass hopping system.

**Title of M. E. Dissertation:** Variable structure control: Some design approaches for non-linear systems.