


Ajay Kr Yadav					
Designation		Assistant Professor			
Department		Electronics & Instrumentation Engineering			
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Educational Qualification					
Course/Degree		Institution	Year	Details/Subject	
Ph.D.		IIT, Delhi	2020	Pursuing	
M.E.		NITTTR, Chandigarh	2016	Instrumentation & Control	
B.E.		University of Rajasthan, Jaipur	2006	Electronic Instrumentation	
Career Profile					
Organization / Institution		Designation	Duration	Nature of Duties	
F.E.T., MJP Rohilkhand University		Assistant Professor	15 Year	Academic & Administrative	
Research Interests / Specialization					
Sensor and Instrument development, Embedded Systems					
Research Experience in Years: 03					
Resear cher/ Expert ID	Scopus	Orchid	Publons	Vidwan	G-Scholar
	ajayyadav@mjpru.ac.in	https://orcid.org/0000-0002-3514-6611	ajayyadav@mjpru.ac.in	165580, ajayyadav@mjpru.ac.in	ajayyadav@mjpru.ac.in
Teaching Experience: 15 Years					
Subjects/Courses Taught					
Analog Electronics, 8051 Microcontroller & Embedded System, Linear Integrated Circuits, Transducers					

Publications /Academic Activities (Numbers Only)	
Research Papers Published in International Journals	07
Papers Presented in Seminars/ Conferences	10
Seminars/ Conferences Organized	02
Seminar/ Conferences Attended	30
Research Projects (Completed)	01
Resource Lectures Delivered	04
Chapters in Edited Books	01
Foreign Countries Visited for Academic Assignments	01

Details of Publications /Academic Activities				
Papers Published in UGC Care Listed /Indexed/ Peer Reviewed Journals				
Year	Title	Name of Journal	ISSN No	
Dec 2022	Key Milk Adulterants in India and their Detection Techniques: A Review	Food Analytical Methods, Springer https://doi.org/10.1007/s12161-022-02427-8		
Jan-April, 2018	Model Predictive Control Design for SISO LTI system subjected to bounded constraints	Turkish Journal of Computer and Mathematics Education Vol.09 No.01 (2018), 170- 180	E-ISSN 1309-4653	
Jan-April, 2018	Analysis of Remote Sensed Data Using Neuro- Fuzzy Algorithm: A Case Study of Hyderabad Region	Turkish Journal of Computer and Mathematics Education Vol.09 No.01 (2018), 181- 190	E-ISSN 1309-4653	
Jun-18	Implementation of an Automatic Irrigation System: An Advanced Approach	International Journal of Research Volume VII, Issue VI, June/2018 pp. 771-776	2236-6124	
Jan-June 2015	Controlling Of Devices Through Voice Recognition Using MATLAB	International Journal of Electrical and Electronics Engineers (IJEET), Volume 07, Issue 01, Jan- June 2015	ISSN- 2321-2055 (E)	
Jan-June 2015	An Advanced Home Automation System Using Mobile Phone	International Journal of Electrical and Electronics Engineers (IJEET), Volume 07, Issue 01, Jan- June 2015	ISSN- 2321-2055 (E)	
July-Dec 2013	A New Approach to Reduce the Delay with Balanced Hardware Requirement in SAD Technique	International Journal of Research, Volume 2, Issue II, pp 225-229 July-Dec/2013	2236-6124	
Invited as Resource Lectures Person/Examiner/Expert				
Resource person	Title of Lecture	Detail of Event	Date	Institution
Ajay kr Yadav	Role of Digital Technology in the field of Education	Invited Lecture	08/03/2013	RBMI, Bareilly
Ajay kr Yadav	Energy Management System	Seminar	14/04/2014	PPGI, Bareilly
Ajay kr Yadav	Microcontroller Based Automation System	Invited Lecture	27/04/2016	RBMI, Bareilly
Ajay kr Yadav	Invited Lecture on IoT	Conference	24/02/2018	Birla Institute of Applied Sciences

Seminars/Conferences/Workshops

- Participated in “The International Conference on Nanomaterials for Electro-catalysis Technology (I-CONNECT-2023)” at IIT Delhi, 20-22 March, 2023.
- Participated in Waterjet cutter training at Maker's Space IIT Delhi on 4th January, 2023.
- Participated in Basic Soldering Workshop at Maker's Space IIT Delhi on 18th January, 2023.
- Attended a Workshop titled "Make Your Research Workflow More Effective with Reference Management Tool Endnote 20 at IIT Delhi, 13th September, 2023.
- Attended an online workshop on Improving Research Writing using Grammarly organized by Central Library IIT Delhi on 14th November 2022.
- Attended an online seminar on Building a world-class research talent pool organized by Clarivate on 12th October 2022.
- Attended an online workshop on Going from Algorithm Design to Hardware Implementation with MATLAB & Simulink organized by IEEE on 20th September 2022.
- Attended an online Seminar on Semiconductor Technology and Manufacturing (STeM) organized by SiRE IIT Delhi on 19th September 2022.
- Attended an online IEEE International Conference on "Internet of Things (IoT) and Industry 4.0 – a world of engineering challenges" during 16th to 18th September 2022.
- Attended a Seminar on Polymers in Ionic Liquids organized by Department of Chemistry, IITD on 14th September 2022.
- Attended an Invited lecture on the 'Priority of Materials Research for Reaching Climate Neutrality Goals' organized by CRDT, IIT Delhi on 18th August 2022.
- Attended a National Author Workshop on Publishing Scholarly Content with IEEE, organized by Central Library IIT Delhi on 29th July 2022.
- Attended an online Seminar on Voltammetry: Uses and Misuses, organized by Department of Chemistry, IITD on 25th July 2022.
- Attended an online JCR Training & Certification Program 2022 by Clarivate on 19th and 21st July 2022.
- Attended one day workshop on “Paper/Paper board for packaging of liquid items- Trends, Prospects and Way forward” at IIT Delhi, June 25, 2022
- Attended 8th Annual India-Purdue Collaborative Lecture series on “The Future of Food and Agriculture” at IIT Delhi, May 4, 2022.
- Organizing Secretary of webinar on Industrial Automation on 20/06/2020.
- Organizing Secretary of webinar on Industrial IoT by Prof Santosh Desai, Professor, BMS College of Engineering, Bangalore on 07/06/2020.
- Organizing Secretary of webinar on Detecting Addictive Use of Digital Technology Using AI on 05/06/2020.
- Faculty Coordinator of Workshop on “Signals, Sensors and Measurement Systems” at BMS College of Engineering Bangalore from 22/07/2019 to 26/07/2019.
- Coordinator of one day workshop on "Alternate in Education" on 23rd March 2018
- Organizing Committee member in 2nd IEEE International Symposium on IoT: Smart Innovation and Usage, 28 Feb-1 March, 2017 (IoT-SIU-2017).
- Technical Committee member International Conference on Academic Research in Engineering, Management and Information Technology, 21-23 February 2015 (ICAREMIT-2015).

- Coordinator Industry Institute Interaction Workshop was organized during 24/10/2013 to 29/10/2013.
- Coordinated a Workshop on “Embedded System” & “Industrial Automation” held on 27/02/2013.

Projects Detail

Year	Name of Project	Funding Agency	Amount	Duration	
				From	Till
2019	Performance analysis and PID controller-based speed control of AC motor using Virtual Environment (In collaboration with Dr Santosh Desai of BMC College Bangalore)	TEQIP-III	2.21L	April-2019	September 2019

Administrative Positions/Assignments Held

Post	Organization	Duration	
		From	To
Program Officer	NSS, MJPRU	31/01/2015	01/09/2015
Assistant Warden	New Boys Hostel, MJPRU	18/05/2017	31/08/2019
ADSW	MJPRU	12/07/2018	31/08/2019
Coordinator UBA	MJPRU	18/10/2019	14/09/2020
Timetable In-charge	EI, MJPRU	July,2009	June,2011
		July,2013	June 2011
TnP Coordinator	EI, MJPRU	July,2012	14/09/2020
ACS	Evaluation Centers, MJPRU	May 2016, May-June 2017, June 2018, January 2018, Oct,2018	
ACS	Entrance Examination of MJPRU and CPMT, B.Ed. etc.	May-June 2013 & 2014, May 2019	
ACS	End Semester Examination	May 2009 & Feb 2010, June 2012, Jan 2013, May 2013, June 2014, Dec 2014 & June 2015, May 2017.	

Seminar/Conference Presentations

- Presented a Poster on “Analysis of Electrical Parameters for Formaldehyde Estimation in Milk” at 13th NIZO Dairy Conference at Arnhem, Netherlands, 17-20 October, 2023.
- Presented a Poster on “Impedance Analysis for detecting Milk Adulteration using Nickel-based Sensor” at ICCNTD-2023 at IIT Delhi, 4-6 September, 2023.
- Presented a Paper in IEEE sponsored IoT-SIU-2017 at MJPRU.
- Presented two Papers in ICAREMIT-2015 at MJPRU.
- Presented a Paper in RATEE-2014 at NITTR Chandigarh.
- Presented a Paper in SAIT-2012 at MJPRU.

Memberships of Academic/Professional Bodies

- IEEE Member of Instrumentation and measurement Society (97897564)
- Life Member of Instrumentation Society of India (LM-1907)-2011
- Life Member of Indian Science Congress (L33302)

Participation in Community Service / Exchange Program / Consulting Activity

- Serving as the General Secretary of an organization called "Khushhali Foundation," dedicated to fostering comprehensive societal development.
- Participated in various community service like blood donation, plantation, and cleanliness drives at MJPRU Campus
- Run an evening school for underprivileged children at the university campus with the help of students.



(Ajay Kumar Yadav)