Dr. CHARU PAWAR

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Present Position and Experience:

Working as **Assisstant Professor** in the Department of Electronics and Communication Engineering at **NSUT, EAST CAMPUS**, New Delhi.
My total teaching, research & administrative experience is over 18 years.

Academic Education:

Doctor of Philosophy (Ph.D), from Department of Electronics Engineering, Dr. A P J Abdul Kalam Technical University, Lucknow, India, in the year 2021.

Master's of Technology (Electronics & Communication Engineering) from Singhania University, Rajasthan, India in the year 2010, (71.2% - I Division).

Bachelor of Technology (Electronics & Instrumentation Engineering) from MIET, Meerut, affiliated to Dr. A P J Abdul Kalam Technical University, Lucknow, India, in the year 2005, (61.9% - I Division).

Polytechnic (Electronics Engineering) from GGP, Bareilly, affiliated to Board of Technical Education, Lucknow, India, in the year 2002, (74.3% - I Division).

High School (Science) from UP board, Allahabad, India, in the year 1999, (67.83%- I Division)

Professional Experience:

(I) Worked as Assistant Professor and Head Electronics and Communication Engineering Department at Apollo Institute of Technology, Kanpur approved by AICTE, Delhi and is affiliated to Dr. A P J Abdul Kalam Technical University, Lucknow.

Location - AIT, Kanpur, UP, India
Duration - 01 July 2018 to 30 July 2023

Job Profile

1. Taught subjects at undergraduate level.
2. Coordinated projects and industrial trainings.
3. Established and developed the Electronics & Communication Labs.
4. Coordinated the time table of department.

Administrative Responsibilities:

1. Identify tasks and assignments for teaching and non teaching staff to undertake the Self Assessment Report of the department.
2. Planning the continuous improvement in the programs through various assessments.
3. Supervising academics audits.

Leadership Responsibilities:

1. Supporting the faculty members in implementing the OBE.
2. Establishing and maintaining relationships between the department and constituents outside the college, including alumni, potential students, and industrial partners.

Personal Responsibilities:

1. Counseling faculty and staff when administrative problems or concerns arise.
2. Encouraging, motivating, and supporting faculty and staff to greater levels of excellence.
3. Mediating conflicts and resolving complaints from faculty, staff and administrators.
4. Creating and fostering a work environment that encourages faculty and staff productivity, satisfaction, and high morale.

(II) Worked as Assistant Professor in the Department of Electronics and Communication Engineering at Dr. Ambedkar Institute of Technology for Handicapped, Kanpur approved by AICTE, Delhi and is affiliated to Dr. A P J Abdul Kalam Technical University, Lucknow.

Location - AITH, Kanpur, UP, India
Duration - 12 October 2017 to June 2018

Job Profile

1. Taught subjects at undergraduate level.
2. Coordinated projects and industrial trainings.

(III) Worked as Assistant Professor in the Department of Electronics and Communication Engineering at Aryabhatt College of Engineering and Technology, Daula, Baghpat approved by AICTE, Delhi and is affiliated to Dr. A P J Abdul Kalam Technical University, Lucknow (formerly Uttar Pradesh Technical University, Lucknow).

Location - ACET, Daula, Baghpat, UP, India
Duration - 17 September 2007 to June 2016
Experience - Lecturer from 17th September 2007 to 30th June 2010
Assistant Professor from 01st July 2010 to 30th June 2016.

Job Profile

1. Taught subjects at undergraduate level.
2. Developed lab manuals, course materials and question banks for students.
3. Established and developed the Electronics & Communication Engineering labs.
4. Coordinated projects and industrial trainings.
5. Coordinated the time table of department.
6. Arranged industry visits for students to make them aware with the current practices and the environment of the industries.

Additional Responsibilities:

1. Member of anti ragging committee from 2010-14 at ACET, Baghpat.
2. Member of admission cell from 2010-14 at ACET, Baghpat.
3. Warden- Girls' Hostel from 2010-12 at ACET, Baghpat.
4. Event Coordinator from 2010-15 at ACET, Baghpat.

(IV) Worked as Lecturer in the Department of Electronics and Communication Engineering at Bhagwant Institute of Technology, Muzaffernagar approved by AICTE, Delhi and is affiliated to Dr. A P J Abdul Kalam Technical University, Lucknow (formerly Uttar Pradesh Technical University, Lucknow).

Location - BIT, Muzaffernagar, UP, India
Duration - 18 August 2005 to August 2007

Job Profile

1. Taught subjects at undergraduate level.
2. Developed lab manuals, course materials and question banks for students.
3. Coordinated the time table of department.

Additional Responsibilities:

1. Member of anti ragging committee from 2005-07 at BIT, Muzaffernagar.
2. Member of admission cell from 2005-07 at BIT, Muzaffernagar.

PUBLICATIONS AND IPR DETAILS

Patent Details

1. A Design patent application no. D-31/5190/2021-KOL, App no. 347066-001, entitled "Impedance Analyser CP-25", **grant** on 20th Jan 2023. Patent Office's Journal No.18/2020.
2. A patent application no. 202011052412A, entitled "Apparatus And Method For Determining And Analyzing Body Composition", published on 8th Jan 2021. Patent Office's Journal No.18/2020.
3. A patent application no. 2020011011219 A, entitled "Pocket Size Portable Wi-Fi Based Bio-Electrical Impedance Measuring Device", published on 1 st May 2020. Patent Office's Journal No.18/2020.

SCOPUS Indexed International Journals

4. Pawar C, Singh Dev, Sharma Rashmi, Malik Ashish, Rufus N. Herald Anantha (2024). Empowering Healthcare Transformation Through IoT and Big Data Integration in Remote Real-time Patient Monitoring. International Journal of Intelligent Systems and Application in Engineering, ISSN:2147-67992, 12(20s), 890–902.
5. Pawar C, Khan M, Saini JP, Singh Dev, Bhardwaj Manish, Hu Yu-Chen (2024). Implementation of Bioelectrical Impedance Measuring Instrument Based on Embedded System. Research Article, Hindawi Mathematical Problems in Engineering Volume 2024, Article ID 1024006, https://doi.org/10.1155/2024/1024006.
6. Pawar C, Brijesh KM, Pal Kirti and Khan Munna (2022). Evaluation of bone fracture using bio electrical impedance analysis technique: A review. Neuro-quantology, 13 (1): 5779-5789.

7. Pawar C, Khan M, Saini JP (2021). Validity and Reliability of Micro-controller based BIA Instrument for Assessment of Upper and Lower limb in Male Subjects at Multi-Frequency. Journal of University of Shanghai for Science and Technology, 23 (8): 762-770. ISSN- 1007-6735.
8. Pawar C, Khan M, Saini JP (2020). Assessment of Human Arm Bioelectrical Impedance using Microcontroller Based System. International journal of integrated engineering, 12 (4): 172-181.
9. Pawar C, Khan M, Saini JP (2018). Design and analysis of adjustable constant current source with multi frequency for measurement of bioelectrical impedance. International Journal of Applied Engineering Research, 13 (1): 262-267.

PAPERS IN THE INTERNATIONAL/ NATIONAL CONFERENCES

1. Pawar C, Khan M, Saini JP (2020). Bioelectrical Impedance Measuring Device Based on Principle of Multi frequency and Multi Segments. Souvenir of JTA Multidisciplinary International Conference held during Feb16-18, 2020, at JMI New Delhi, India, pp. 268
2. Pawar C and Khan M (2020). A novel method for measuring segmental bioelectrical impedance of human joints at multi-frequency. Souvenir of National Conference on the theme 'Robotics and Mechatronics'- held during March 3-4, 2020 at JMI University, New Delhi, pp. 29.

PAPERS UNDER PROCESS IN THE SCI AND SCOPUS JOURNALS

1. Implementation of Bio-electrical Impedance Measuring Instrument Based on Embedded System, Mathematical Problems in Engineering.
2. Assessment and Monitoring of Degenerative Joint Diseases Using an IOT Based System for the female. Computational Intelligence and Neuroscience (Computer Vision in Co-clinical Medical Imaging for Precision Medicine).
3. Evaluation of Bone Fracture Using Bio Electrical Impedance Analysis Techniques: A Review. International Journal of Health Sciences (IJHS).

WORKSHOP AND FDP ATTENDED

- Attended One week (October 08-13, 2010) AICTE sponsored Faculty Development Program on 'VLSI Design: Recent Trends & Future Aspects', organized by MIET, Meerut.
- Attended a hands-on workshop (Jan 24 to Jan 26, 2017) on 'Embedded System Design Using MSP_{430}', organized by AITH, Kanpur under the Texas Instruments India University Program.
- Attended a hands-on workshop (Jan 27 to Jan 29, 2017) on 'Linear Integrated Circuits: A systems Approach', organized by AITH, Kanpur under the Texas Instruments India University Program.
- Attended a hands-on workshop (January 2018) on 'Embedded System Design Using MSP430', organized by Allen house Institute of Technology, Kanpur under the Texas Instruments India University Program.

- Attended One week (June 15-19, 2021) AICTE Training and Learning (ATAL) Academy Online Faculty Development Program on 'Innovation in Telemedicine in Rural India enabled by Advancements in Artificial Intelligence, Medical Devices and Internet of Things', organized at R. M. K. Engineering College.
- Attended One week (June 21-25, 2021) AICTE Training and Learning (ATAL) Academy Online Faculty Development Program on 'Artificial Intelligence in Contemporary Biomedical & Healthcare Applications', organized at Gautam Buddha University, Greater Noida, UP.

  Attended One week (June 26-30, 2021) AICTE Training and Learning (ATAL) Academy Online Faculty Development Program on 'Outcome Based Education and Digital Pedagogy', organized at Kalinga Institute of Industrial Technology.
- Attended One week (July 05-09, 2021) AICTE Training and Learning (ATAL) Academy Online Faculty Development Program on 'Medical Image Processing and 3D Applications', organized at University College of Engineering.

SUBJECTS OF INTEREST

- Digital Communication
- Electronics and Instrumentation Engineering
- Biomedical Engineering
- Signal Processing

STRENGTHS

- Believe in organized and systematic working, hard-working and honest
- Prefer transparent work culture with proper documentation

PERSONAL INFORMATION

Date of Birth	**:** 1985, May 16
Category	**:** Female
Marital Status	**:** Married
Nationality	**:** Indian
Father's Name	**:** Mr. H.S.Pawar
Permanent Address	**:** C.S.B. Road, Saurikh, Distt. – Kannauj – 209 728 (UP) INDIA

REFERENCES

Prof. Jai Prakash Saini
Vice-Chancellor
NSUT, New Delhi-110078
Mobile: 9415011199

E-mail: jps_uptu@rediffmail.com

Prof. Brijesh Singh
Director (ME)
Galgotia College of Engineering and Technology
Greater Noida, Uttar Pradesh
Mobile: 9335090922
E-mail: brjshsngh@gmail.com

I, hereby assure that all the information given in this resume is correct to the best of my knowledge.

Place: Kanpur **Dr. Charu Pawar**