

# Chanki Pandey

UG Scholar at Department of ET&T, Government Engineering College Jagdalpur, Chhattisgarh, India

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S/O Prem Shankar Pandey, House No 219

Near Bus Stand, Manjhiaithgaon, Pharasaon, Dist-Kondagon

Pin Code- 494228, Chhattisgarh, India

## ▼ Education

**Bachelor of Engineering in Electronics and Telecommunication**  
**Government Engineering College Jagdalpur**, Chhattisgarh, India

**2017 - Present**

- Percentage: 78.00%

**Senior Secondary (XII) in Mathematics (CBSE Board)**  
**Chavara Hr. Sec. School Kondagaon**, Chhattisgarh, India

**Year of completion: 2017**

- Percentage: 70.20%

**Secondary (X), (CBSE Board)**  
**St. Xavier's High School Sakri Bilaspur**, Chhattisgarh, India

**Year of completion: 2015**

- 9.2/10 CGPA

## ▼ Career Objective

A job / position where I can execute my engineering skills & work with determination and diligence to create an environment which can synergize a mediocre to a merit performer, while giving special important to innovative ideas.

## ▼ Key Achievements and Extracurricular Activities

- Qualified GATE-2021 (Graduate Aptitude Test in Engineering) in Instrumentation Engineering branch.
- Best Research Paper Presentation Award in 4<sup>th</sup> International Conference on Recent Trends in Communication & Electronics (ICCE-2020), Delhi-NCR, Ghaziabad, India.
- Always secured positions among top 3 students in class.
- Executive Member-I at NDLI Club (National Digital Library of India) in GEC Jagdalpur, Chhattisgarh.
- Organizing Secretary of ISECT-2021 at SUIIT, Sambalpur University, Odisha (Duration- 27<sup>th</sup> March- 1<sup>st</sup> April 2021)
- Campus Ambassador- Internship at E-Cell, IIT Bombay Duration- July 2020 - Feb 2021
- Organizing Secretary of ROIWS-2020 at GEC Jagdalpur Duration-11th -13th Sep 2020
- Campus Ambassador- Internship at AIESEC, IIT-ISM Dhanbad Duration- July 2020 Aug 2020
- Secured 1<sup>st</sup> position in Talent Search Contest 2014-15 Organized by NES & WC, Bhopal.
- Secured 3<sup>rd</sup> position in essay writing competition in inter-school level organized by Shri Jain Shikshan Eevam Janvikash Amiti, Jagdalpur (C.G), Reg.238.

## ▼ Skills

- Patents and Publications:** - Expertise in capturing innovative ideas, filing patents and publishing results in referred international journals and presenting at conferences.
- Domain Expertise:-** Computer Vision, Electronics and Communication, Signal Processing, Image Processing, Machine Learning and Deep Learning

- **Programming Language:** - C, C++, XML, Java, DBMS, SQL and HTML.
- **Software and Applications:** MATLAB, AutoCad, Xilinx, LTspice, MS Office (Word, Excel and Powerpoint).

## ▼ Professional Affiliations

### Student Member

All India Council for Technical Skill Development (Member ID: AICTSD/STUDENT/23312).

### Editorial Reviewer

1. Concurrent Engineering: Research and Applications
2. International Journal of Emerging Electric Power Systems
3. Symposium on Machine Learning and Metaheuristics Algorithms, and Applications (SoMMA'20)

## ▼ Research Publication Details

### Patent Publications

1. Prabira Kumar Sethy, **Chanki Pandey**, Sharad Chandra Rajpoot and Santi Kumari Behera. “n4riceleaf: An Android/Web Based Application to Estimate Nitrogen Concentration in Rice Crop”, Australian Innovation Patent (Granted). Application Number: 2020102343.

### International Journal Publications

1. **C Pandey**, YK Sahu, PK Sethy\* and SK Behera (2021). Futuristic AI- Convergence of megatrends: IoT and Cloud Computing. Microprocessor and Microsystems, Elsevier. (**SCI Indexed**) (**Revision Submitted**).
2. **C Pandey** and PK Sethy\* (2021). Speech Command Recognition based on Deep Image Classification. International Journal of Speech Technology, Springer (**Scopus Indexed**) (**Revision Submitted**).
3. SC Rajpoot, **C Pandey**\*, PK Sethy, PS Rajpoot and Prof. SK Singhai (2021). A Dynamic- SUGPDS model for Faults Detection and Isolation of Underground power cable based on Detection and Isolation Algorithm and Smart Sensors. Journal of Electrical Engineering & Technology, Springer. DOI: <https://doi.org/10.1007/s42835-021-00715-7> (**SCI Indexed**).
4. PK Sethy, **C Pandey**\*, Dr. M.R. Khan, SK Behera, Vijaykumar K and S Panigrahi (2021). A Cost-Effective Computer-Vision Based Breast Cancer Diagnosis. The Journal of Intelligent and Fuzzy Systems, IOS Press. DOI: 10.3233/JIFS-189848 (**SCI Indexed**)
5. PK Sethy, SK Behera\*, N Kannan, S Narayanan, and **C Pandey** (2021). “Smart Paddy Field Monitoring System Using Deep Learning and IoT.” Concurrent Engineering, (January 2021). <https://doi.org/10.1177/1063293X21988944>. (**SCI Indexed**).
6. PK Sethy\*, SK Behera, A Komma, **C Pandey** and M.R. khan (2020). Computer aid screening of COVID-19 using X-ray and CT scan images: An inner comparison. Journal of X-Ray Science and Technology. 1 Jan.2021: 1 – 14. DOI: 10.3233/XST-200784. (**SCI Indexed**).

7. S Kumar, S Singh, P Agarwal, U Acharya, PK Sethy\*, **C Pandey** (2020). Speech quality evaluation for different pitch detection algorithms in LPC speech analysis–synthesis system. International Journal of Speech Technology, Springer. <https://doi.org/10.1007/s10772-020-09765-0> (**Scopus Indexed**)

### **Book Chapter Publications**

1. **C Pandey\***, PK Sethy, SK Behera, J Vishwakarma and V Tande (2020). Smart Agriculture: Technological Advancements on Agriculture- A Systematical Review. Poonia-Deep Learning for Sustainable Agriculture, Elsevier (**Accepted**) (**Scopus Indexed**).
2. **C Pandey\***, PK Sethy, SK Bhera, SC Rajpoot, B Pandey and P Biswas. Evaluation of Transfer Learning Model for Mango Recognition. In: Reddy A., Marla D., Favorskaya M.N., Satapathy S.C. (eds) Intelligent Manufacturing and Energy Sustainability. Smart Innovation, Systems and Technologies, vol 213. Springer, Singapore. [https://doi.org/10.1007/978-981-33-4443-3\\_45](https://doi.org/10.1007/978-981-33-4443-3_45) (**Scopus Indexed**)

### **Conference Publications**

1. PK Sethy, **C Pandey\***, SK Behera, SC Rajpoot and Dr. M. R. Khan. Block Chain: IoT Security, Privacy and Resource Challenges. International Conference on Recent Trends in Communication & Electronics (ICCE-2020), KIET Group of Institutions, Delhi-NCR, Meerut Road (NH-58), Ghaziabad. (**Scopus Indexed**) (**Presented in the Conference**).
2. **C Pandey\***, PK Sethy, SK Behera, J Vishwakarma, SC Rajpoot and B Nayak. An Automated Chilli Yield Estimation Approach Based on Image Processing. 4th International Conference on Recent Trends in Communication & Electronics (ICCE-2020), KIET Group of Institutions, Delhi-NCR, Meerut Road (NH-58), Ghaziabad. (**Scopus Indexed**) (**Presented in the Conference**)
3. **C. Pandey\***, P. K. Sethy, P. Biswas, S. K. Behera and M. R. Khan, "Quality Evaluation of Pomegranate Fruit using Image Processing Techniques," 2020 International Conference on Communication and Signal Processing (ICCSP), Chennai, India, 2020, pp. 0038-0040, doi: 10.1109/ICCSP48568.2020.9182232. (**IEEE Conference**)
4. P. Biswas, **C. Pandey**, A. K. Thakur\*, M. R. Khan and S. Rathore, "Algorithm Design Simulation Performance Analysis of MIMO GMSK System for Radio Communication on AWGN Channel," 2020 International Conference on Communication and Signal Processing (ICCSP), Chennai, India, 2020, pp. 1261-1264, doi: 10.1109/ICCSP48568.2020.9182061. (**IEEE Conference**)
5. Y. K. Sahu\*, **C. Pandey**, P. Biswas, M. R. Khan and S. Rathore, "Minimum Time Delay and More Efficient Image Filtering Brain Tumour Detection with the help of MATLAB," 2020 International Conference on Communication and Signal Processing (ICCSP), Chennai, India, 2020, pp. 1195-1199, doi: 10.1109/ICCSP48568.2020.9182205. (**IEEE Conference**)

### **Preprint Publication**

1. PK Sethy, **C Pandey** and SK Behera (2021). Computer Aid Screening of COVID19 using X-ray and CT Scan Images: A Comparative Study. Preprints 2020, 2020080472 (DOI: 10.20944/preprints202008.0472.v1).

## ▼ Courses & Training

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- ❖ Image Classification with CNN using Keras (Project)
  - Coursera ( May 2020): <http://coursera.org/verify/X36PLWURADJL>
- ❖ Traffic Sign Classification Using Deep Learning in Python/Keras
  - Coursera ( May 2020): <http://coursera.org/verify/D7UMQMZ2PCWW>
- ❖ STC on Effective Tools and Techniques in Qualitative Research
  - Dr. B.R. Ambedkar NIT, Jalandhar. Online ( 2020)
- ❖ Fifth International Conference ACCTHPA
  - IEEE Kerala Section (July- 2020)
- ❖ STC on Cloud of Things: Theoretical and Practical Implications
  - Dr. B.R. Ambedkar NIT, Jalandhar. Online ( 2020)
- ❖ Interview Skills
  - TCS. Credential ID- 66789-6685688-1016
- ❖ International Virtual TEC Conclave 2020
  - IEEE IA/IE/PELS Jt. Chapter Kerala ( 12th- 14th June 2020)
- ❖ STC on Technological Challenges & Opportunities in COVID-19 Outbreak
  - Department of CSE , NIT Uttarakhand, Online ( 2020)
- ❖ International E-FDP On Advanced Research Methods: Enabling Quality Research Publication
  - Institute Of Technology And Science, Online ( Jun 2020 - Jul 2020)
- ❖ International Online Workshop On "Combating COVID-19: It's Time To Respond With Resilience"
  - National Institute of Technology, Raipur, Online (Jun 2020 - Jul 2020 )
- ❖ ISTC On "Microgrid Opportunity"
  - Dayalbagh Educational institute, Online (Jun 2020 - Jun 2020)
- ❖ GSM MOBILE, Exposure To Switch And Transmission Media, Exposure To Outdoor And FR
  - BSNL, Jagdalpur, CG, India (Jun 2019 - Jul 2019)
- ❖ Fundamental of Digital Marketing
  - Google. Credential ID 8GR 24K YCQ. Credential URL: <https://learndigital.withgoogle.com/digitalgarage/validate-certificate-code>
- ❖ Python 101 for Data Science
  - Cognitive Class ( 2020), Credential ID: dd82dd1516e94a7a992de1365c0a8767
- ❖ Advance Power Electronics and Control
  - NPTEL (Apr- 2019). Credential ID- NPTEL19EE15S21130038
- ❖ Modern Digital Communication Techniques
  - NPTEL (Apr- 2019). Credential ID- NPTEL19EE06S41980023

## ▼ Favorable Personality Traits

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Passion for research and innovation, Punctual, Adaptability, Leadership, Diligent, Proactive and Helping Nature.

## ▼ Personal Details

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**Date of Birth** : 1<sup>st</sup> July 1999  
**Nationality** : Indian

<b>Category</b>	: General + EWS
<b>PWD</b>	: Yes (Visual Disable)
<b>Affiliation</b>	<b>: UG Scholar</b> Department of Electronics and Telecommunication Engineering Government Engineering College, Jagdalpur, Pin Code-494001, Chhattisgarh, India
<b>Correspondence Address</b>	: Dharmpura No.-3, Jagdalpur, Pin Code-494001, Chhattisgarh, India
<b>Permanent Address</b>	: Manjhiaithgaon, Pharasgaon, Kondagaon, Pin Code-494228, CG, India
<b>Language Know</b>	: Hindi, English and Bhojpuri
<b>Hobbies</b>	: Reading, Traveling, Watching movies and Playing Cricket

## ▼ References

### Prof. M. R. Khan

**Professor (Principal)** Department of Electronics and Telecommunication Engineering  
Government Engineering College, Jagdalpur, Pin Code-494001, Chhattisgarh, India  
E-mail: [mrkan@gecjdp.ac.in](mailto:mrkan@gecjdp.ac.in)

### Dr. Vinay Kumar Singh

**Associate Professor (HoD)**, Department of Electronics and Telecommunication Engineering  
Government Engineering College, Jagdalpur, Pin Code-494001, Chhattisgarh, India  
E-mail: [vinay.rewa@gmail.com](mailto:vinay.rewa@gmail.com)

### Dr. Prabira Kumar Sethy

**Assistant Professor**, Department of Electronics  
Sambalpur University, Jyoti Vihar, Burla, Pin Code-768019, Odisha, India  
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I hereby declare that the all the information furnished herein are true and correct to the best of my knowledge & belief.



(Chanki Pandey)