

Prateek Pratyasha

W/O- Mr. Aditya Prasad Padhy

Berhampur,

PIN-760008, Odisha.

INDIA

PHONE: +91-7008343904

E-MAIL: prateekpratyasha94@gmail.com**Educational Qualification:**

Exam passed/Continued	Year Of Passing	Board/University	School Name/ College Name/ Institute Name	Percentage /CGPA
Ph.D. (Biomedical Engineering) (Continue)		National Institute of Technology	NIT, Raipur	
M-Tech (Instrumentation & control)	2019	V.S.S.U.T, Burla	V.S.S.U.T , Sambalpur, Odisha	9.24
B.Tech (Electrical Engineering)	2016	B.P.U.T, Rourkela	National Institute of Science and Technology, Pallur Hills, Berhampur, Odisha, India	8.35
Intermediate	2006	C.H.S.E, Odisha	Khalikote Junior College Berhampur, Odisha, India	75%
Matriculation	2004	B.S.E, Odisha	S.S.V.M, Berhampur, Odisha	86.33%

AREA OF INTEREST:

- Control Theory
- Microprocessor and Microcontroller
- Renewable Power and Electricity system
- Solar Energy System Design
- Power Electronics

Teaching Experience:

- 1 yr experience in Kalam Institute of Technology (K.I.T, Berhampur, Odisha) from June 2016 to July 2017.
- Worked as a guest faculty in the RETM department at PANDIT RAVISHANKAR SHUKLAUNIVERSITY, RAIPUR from 16.09.2019 till date.

M.TECH THESIS SUMMARY:

➤ An Artificial Intelligence Approach for Biomedical Signal and Image Processing

The prior objective of the analysis of brain signals and biometrics palmprint images are to develop an accurate method which can process the signal and image data for diseasedetection and individual recognition respectively. In order to meet the main objective, the following sub-objectives must be achieved.

- Feature Extraction process is carried out to reduce the dimension of the original data set.
- Feature Selection is done to enhance the accuracy by removing redundant feature from the data set.
- Selection of a robust, fast and accurate classifier is carried out to predict the output of test data when training data is given. Now the signal processing task is terminated and the processed data is ready for prediction of disease
- One-to-one comparison is done between two cropped palm images for image recognition and one-to-many comparison is done for palm print identification.

CONFERENCE ATTENDED:

- An Intelligent Approach to Detect Epileptic Seizure, IEEE conference (International Conference on Intelligent Sustainable System 2019), held on 21st and 22nd February 2019 at Coimbatore, Chennai.

Journals, Conferences & Book chapters (Accepted or under review for Publication):

- [1].P. Ray and **P. Pratyasha**, "An Intelligent Approach to Detect Epileptic Seizure," in *2019 International Conference on Intelligent Sustainable Systems (ICISS)*, 2019, pp. 45-50.
- [2].B. Swarnkar, **P. Pratyasha**, and A. P. Padhy, "Large Dimensional Data Reduction by Various Feature Selection Techniques: A Short Review," *International Journal of Computer Applications*, vol. 975, p. 8887, 2019.
- [3].**P. Pratyasha**, B. Swarnkar, and A. P. Padhy, "A Comparative Analysis of Different Feature Extraction Techniques for Palm-print Images," *bioRxiv*, 2020.
- [4].**P. Pratyasha**, A. P. Padhy, "Current status of Hydroxychloroquine and Azithromycin for the Treatment of COVID-19: An Observational Review, *International Journal of Medical Engineering and Informatics (IJMEI)*, Inderscience, 2020.
- [5]. **P. Pratyasha**, S. Gupta, "Early Recognition of Dynamic Sleeping Patterns Associated with Rapid Eyeball Movement Sleep Behavior Disorder of Apnea Patients using Neural Network Techniques", CRC Press, 2021.

TRAINING COURSES UNDERTAKEN:

- 7days training program in "INDIAN RARE EARTH LIMITED" (OSCOM) at Chatrapur, Odisha.
- 15 days training program in "HINDUSTAN AERONATICS LIMITED"(HAL) at Koraput, Odisha.

SEMINARS ATTENDED:

- A Seminar onclave on "Project Prakash" for the detection and diagnosis of early blind people, talk delivered by Dr. T. P. Gandhi, IIT, Delhi, conducted by VSSUT, Burla, Odisha on 9th February, 2019
- A seminar on "Cloud Computing", conducted by VSSUT, Burla on 15th November 2018.

WEBINARS ATTENDED:

- "Turnitin User Awareness Program", at NIT Raipur, dated on 14th September 2020.
- "Transition to data Science and its opportunities in industries", at G. H. Raisoni Institute of Engineering and Technology, Nagpur, dated on 19th September 2020.
- Two days of Short Term Programme on "Recent Trends in Artificial Intelligence Techniques with its application" organized by Kalinga University, Naya Raipur, on 1st and 2nd September.
- "Opportunities for Research with DRDO", by A.V.C College of Engineering, New Delhi, dated on 29th May 2020.

FACULTY DEVELOPMENT PROGRAMME ATTENDED:

- Renewable Energy for Sustainable Development: Opportunities and Challenges, Under TEQIP, from 8th September to 12th September, 2020.
- Hardware in Loop Simulation; Learning and Teaching Tool from Typhoon HIL, organized by Vellore Institute of Technology, Chennai, from 31st August to 4th September, 2020.

Membership:

- Life time member of International Association of Engineers, **(IAENG)**.
- Life time member of International Association of Computer Science And Information Technology, **(IACSIT)**.

Software Skill:

- MATLAB
- Power World Simulator (PWS)
- Python
- Radial Distribution Analysis Package (RDAP)

THESIS SUPERVISED IN GRADUATE (B-TECH) LEVEL:

➤ *Electronics and Telecommunication Engineering*

- Title of Thesis:
Curse of dimensionality and its remedification using different feature selection techniques (Completed)
- Title of Thesis:
An approach to Machine algorithm for the analysis of biomedical signals
- Title of Thesis:
Identification of audio finger printing using Artificial Neural Network
- Title of Thesis:
Big data analytics for handling cyber security in health care sector
- Title of Thesis:
Deep learning approach for biometrics pattern recognition
- Title of Thesis:
Identification of eye ball movement in paralyzed patients using by image processing

PERSONAL DETAILS:

Date of birth	27-01-1994
Marital status	Married
Father Name & Occupation:	Ajit Kumar Sahu, editor-in-chief in the daily news paper (“The Nitidin”), Odisha ,India
Languages Known	English, Odia, Hindi, Bengali
Hobbies:	Blog Writing, Content Writing, Gaming Travelling

DECLARATION:

I, hereby declare that above statements made are true to the best of my knowledge and belief.

Date: 17-12-2021

Prateek Pratyasha

(Prateek Pratyasha)