



Dipak Kumar Patra

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Born 02 March 1987

WORK EXPERIENCE

August 2010 – December 2010

Contractual Whole time Teacher (College Approved)

Department of Computer Science and Application, Hijli College
• job description (Head of the Department)

January 2011 – December 2019

Contractual Whole time Teacher (Govt. Approved)

Department of Computer Science and Application, Hijli College
• job description (Head of the Department)

January 2020 – 16th February
2020

State Aided College Teacher-II (Govt. Approved)

Department of Computer Science and Application, Hijli College
• job description (Head of the Department)

17th February 2020 – Present

State Aided College Teacher-II (Govt. Approved)

Department of Computer Science and Application, Hijli College

EDUCATION

2005 – 2008

B.Sc in Computer Science

Project: Three tier Examination System of Vidyasagar University using VB.Net Department of Computer Science, Pankura Banamali College, Vidyasagar University

2008 – 2010

M.Sc in Computer Science

Project: Vidyasagar University Staff Co-operative Bank Management System using VB.Net Department of Computer Science, Vidyasagar University

2020 – Present

Ph.D. (Pursuing) in Computer Science

Research Center of Natural and Applied Sciences (Department of Computer Science), Raja Narendralal Khan Women's College (Autonomous), Vidyasagar University

Achievement

Guide Teacher

- District level Science Fair model Competition 2016, 1st Position, Model- Blind Torch. (Organizer Govt, of West Bengal)
- State level Science Fair model Competition 2016, 3rd Position, Model- Blind Torch. (Organizer Govt, of West Bengal)
- District level Science Fair model Competition 2017, 1st Position, Model- Home Automation System. (Organizer Govt, of West Bengal)
- State level Science Fair model Competition 2017, 1st Position, Model- Home Automation System. (Organizer Govt, of West Bengal)
- District level Science Fair model Competition 2018, 1st Position, Model- Smart Shoe. (Organizer Govt, of West Bengal)
- District level Science Fair model Competition 2019, 1st Position, Model- Automatic Home cleaning System. (Organizer Govt, of West Bengal)

INDUSTRIAL TRAINING

Globsyn

Database Management System

Research Area

Image Segmentation Medical Image Processing, Optimization

Technical Area

Computer Language C, C++, Java, MATLAB, Python, Dot Net

Conference Publications

International Conference Dipak Kumar Patra, Tapas Si, Sukumar Mondal, Prakash Mukherjee, **"Breast DCE-MRI Segmentation for Lesion Detection by Multi-level Thresholding using Arithmetic Optimization Algorithm"** [Accepted, International Conference-FICTA Published in Springer-Smart Innovation, Systems and Technologies Series (Scopus Index)]

Journal Publications

Journal Dipak Kumar Patra, Sukumar Mondal, and Prakash Mukherjee, **"Grammatical Fireworks Algorithm method for Breast Lesion segmentation in DCE-MR Images"**. [Published, International Journal of Innovative Technology and Exploring Engineering (IJITEE) Scopus Index, Vol-10, Issue-7, May 2021, UGC care listed, ISSN-2278-3075, Pages No. 170-182]

Dipak Kumar Patra, Tapas Si, Sukumar Mondal, Prakash Mukherjee, **"Breast DCE-MRI Segmentation for Lesion Detection by Multi-level Thresholding using Student Psychological Based Optimization"**, [Published in journal Biomedical Signal Processing and Control (BSPC, June-2021, Elsevier (SCI, Impact Factor 3.88)]

Conference/ Seminar / Workshop Participated

- One day National Webinar on Technical Writing on Latex organized by CSI-MCKVIE student chapter and CSE dept. on 26th June,2020.
- One Day International Webinar on REMOTE SENSING: LATEST TRENDS AND PERSPECTIVES Organized by Computer Society of India Student Branch, Assam University, Silchar In association with Dept. of Computer Science Engineering, Assam University on 4th July, 2020.
- One week Faculty Development Programme on Image Authentication, WSN IoT organized by JIS College of Engineering Affiliated to MAKAUT W.B., Approved by AICTE, on from 22nd June, 2020 to 26th June, 2020.
- State level Webinar on Impact on Covid-19 pandemic on education and employability of rural youths organized by IQAC of Srikrishna College on 5th July,2020.
- Two day National Webinar on Relevance of Yogasastra in Modern Context organized by Dept. of Sanskrit, Srikrishna College, 3rd 4th July,2020.
- Third International Seminar on Intelligent Computing (ISIC) 2020 Organised By Department of Computer Science and Engineering, Assam University, Silchar In Technical Collaboration with IEEE Computational Intelligence Society, Kolkata. 12th September,2020.
- Five day Faculty Development Program on The Art and Craft of Scientific and Technical Writing: From A to Z(Almost), organized by School of Natural, Applied and Social Sciences and the center of Linguistic and Language Laboratory, MAKAUT, W.B, INDIA. 2-6 November,2020.
- ONE DAY INTERNATIONAL WEBINAR on QUANTUM, DATA AND ALGORITHMS Organized by Computer Society of India Student Branch, Assam University, Silchar In association with Dept. of Computer Science Engineering, Assam University, Silchar, June 28, 2020.
- National Seminar on Image Classification and Pattern Recognition organized by Dept. of Computer Science, Vidyasagar University, 26-27th March,2009.
- National Seminar on safe and Environment friendly Food additives Dyes organised by dept. of Chemistry and Physics, hijli College, 2nd and 3rd February,2012.
- National Seminar on Recent Trends in Information Technology organized by dept of Computer Science and Application, Hijli College. on 7th October,2015.
- Two day National Seminar on Data Mining and Decision Support organized by Computer Centre of Vidyasagar University, 4th and 5th March,2010.
- Workshop for Revision of Syllabus for Honours and Pass Course of Vidyasagar University in Computer Science organized by Dept. of Computer Science, Vidyasagar University, 17th February, 2014.
- National Seminar on Advanced Computation, Algorithm and Security organised by Dept. of Computer Science, Vidyasagar University. on 29th and 30th March,2016.

Paper Reviewer

Journal Springer Publication.

Coordinator of Professional Bodies

- Member of Organizing Committee of "National Science Day" of Hijli College 2017, 2018, 2019.
- Exam Supervisor of KIIT Online Entrance Examination in year 2018,2019.
- Co-ordinator of Admission Committee of Hijli College in the year 2014, 2015, 2016.
- Member of Admission Committee of Hijli College in the year 2012, 2013, 2017, 2018, 2019, 2020.
- Exam Supervisor of VU BCA Examination in year 2017,2018.
- Exam Supervisor of VU Part II Examination in year 2015, 2017.
- Member of IT Committee of Hijli College.

Declaration

I do hereby declare that the above information are true and correct to the best of my knowledge.

Dipak Kumar Patra