Dr. Suraj

Assistant Professor, ECE, IIIT Bhagalpur

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Contact No. +91-8986670638

CAREER SNAPSHOT

- ➤ Ph.D.
- ➤ Total Experience: 5.5 Yrs   Research & Teaching: 4.5 Yrs   Industry: 1.0 Yrs
- ➤ Conducted Hands-on Session in a TEQIP Funded Workshop

ACADEMIC RECORD

- ➤ Ph.D.| (Design of Monitoring Systems for EEG Based Two Class Motor Imagery Tasks) | Birla Institute of Technology, Mesra, Ranchi| 2018
- ➤ M.E. | Control System | Birla Institute of Technology, Mesra, Ranchi | 2011| 86.8%
- ➤ B. Tech. | ECE | DRIEMS, Cuttack | 2009 | 77.7%
- ➤ 12th | CBSE | 2003 | 65.2%
- ➤ 10th | CBSE | 2001 | 81.6%

PUBLICATIONS

Journals
1. **Suraj**, Sinha Rakesh Kumar, Ghosh Subhojit, ''Jaya based ANFIS for monitoring of two class motor imagery task'', IEEE Access, vol. 4, pp 9273-9282, 2016, doi**:** 10.1109/ACCESS.2016.2637401(**SCIE, Impact factor - 4.098**)

2. **Suraj**, Tiwari Purnendu, Ghosh Subhojit, Sinha Rakesh Kumar, ''Classification of two class motor imagery tasks using hybrid GA-PSO based K means clustering'', Computational Intelligence and Neuroscience, 2015, doi:10.1155/2015/945729 (**SCIE, Impact factor - 1.649**)

Conference
3. **Suraj**, Sinha Rakesh Kumar, Ghosh Subhojit, ''Analysis of mental complexity tasks using zero crossings'', *Aspects of mechanical engineering and technology for industry*, NERIST, vol 1, pp. 409-415, Dec 6-8, 2014, ISBN: 978-93-83842-95-7.

4. **Suraj**, Sinha, Rakesh Kumar , Ghosh, Subhojit, "Classification of two class motor imagery task using Jaya based k-means clustering", IEEE conference on *Global Trends in Signal Processing, Information Computing and Communication (ICGTSPICC),* pp. 175-179, 2016, doi**:** 10.1109/ICGTSPICC.2016.7955292

5. **Suraj**, Sinha Rakesh Kumar, Ghosh Subhojit, "Adaptive NFC for classification of two class motor imagery task" *IEEE conference on power, control and embedded systems (ICPCES-2017),* pp. 1-6, 2017

6. Kumar Kundan, Samal Debashisa, **Suraj** "Automated retinal vessel segmentation based on morphological preprocessing and 2D-Gabor wavelets", *International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2018)*, vol. 3, 2018.

SCHOLASTIC ACHIEVEMENTS

- Institute Fellow, BIT Mesra, Ranchi, Sep 2012 – Jan 2015
- 1st Rank in M.E. (Control System)
- Project Presentation at National level, National Science Congress, Goa.

TEACHING EXPERIENCE

Institute	Designation	From	To
IIIT Bhagalpur	Assistant Professor	01/08/2019	Till date
SVNIT, Surat	Teaching Assistant	16/01/2015	31/07/2019
NIT Calicut	Lecturer	17/07/2012	07/09/2012

INDUSTRY EXPOSURE

Company	Infosys Ltd.
Designation	Systems Engineer
Unit	ECS (Energy, Utilities, Communication & Services)
Location	Pune, India
Duration	Aug 2011 – Jul 2012

AREA of INTEREST

- System Modelling
- Biomedical Signal Processing & Control
- Fuzzy Logic (Controller Design)
- Feature Extraction and Classification
- Embedded System

PERSONAL PROFILE

Date of Birth	:	January 15, 1986
Father's Name	:	Sri Rajendra Prasad Mahto
Sex	:	Male
Marital Status	:	Married
Nationality	:	Indian
Languages Known	:	Hindi, English
Address	:	503/B, Ang Vihar, Sabour, Bhagalpur 813210

REFERENCES

1. Dr. S. N. Sharma, Professor & Head, EED, SVNIT, Surat 395007
   Ph: +91-8866093530, Email: sns@eed.svnit.ac.in
2. Dr. R. K. Sinha, Professor, Centre of BMI, BIT Mesra, Ranchi 835215
   Ph.: +91- 9431382724, Email: rakeshsinha@bitmesra.ac.in
3. Dr. S. Ghosh, Associate Professor, EED, NIT, Raipur 492001
   Ph: +91-8225817389, Email: aceghosh@gmail.com