



# Md. Kamrul Hasan

Erasmus Scholar on Medical Imaging and Applications (MAIA) [2017-2019]  
Lecturer (Study Leave), Dept. of EEE, KUET, Bangladesh.

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## RESEARCH INTEREST

Biomedical Signal and Image Processing, MRI and f-MRI, 3D Reconstruction of Medical Images, and Bio-mathematics.

## WORK EXPERIENCE

**April 2015 to till date**

Lecturer  
Dept. of Electrical and Electronic Engineering (EEE)  
Khulna University of Engineering & Technology (KUET), Khulna-9203, Bangladesh.

**January 2016 to July, 2017**

Adjunct Lecturer  
Dept. of Electrical and Electronic Engineering (EEE)  
North Western University (NWU), Khulna, Bangladesh.

**January 2015 to April, 2015**

Lecturer  
Dept. of Electrical and Electronic Engineering (EEE)  
Daffodil International University (DIU), Dhaka, Bangladesh.

## EDUCATION

Master in **Medical Imaging and Applications (MAIA)**  
2017 – 2019 (Expected)

University of Burgundy (France), UNICAS (Italy) and University of Girona (Spain) supported by Erasmus Mundus Scholarship.

M. Sc. in **Electrical and Electronic Engineering (EEE)**  
2015 – 2017

Khulna University of Engineering & Technology (KUET)  
CGPA: **4.00** (Out of **4.00**) [99% Marks]  
Thesis: "[Prediction of Epileptic Seizure by Analyzing Time Series EEG Signal Using k-NN Classifier](#)".  
Supervised by [Prof. Dr. Engr. Mohiuddin Ahmad](#), Dept. of EEE, KUET, Khulna, Bangladesh.

B. Sc. in **Electrical and Electronic Engineering (EEE)**  
2010 – 2014

Khulna University of Engineering & Technology (KUET)  
CGPA: **3.93** (Out of **4.00**) [93.4% Marks]  
Class position: **1st** (Out of 115 students)  
Thesis: "[A Direct Noninvasive Brain Interface with Computer Based on Steady- State Visual Evoked Potential \(SSVEP\) With High Transfer Rates](#)".  
Supervised by [Prof. Dr. Engr. Mohiuddin Ahmad](#), Dept. of EEE, KUET, Khulna, Bangladesh.

## TECHNICAL SKILLS

**Programming Languages**

C/C++, MATLAB, Python, OpenCV, Java, Assembly and Fortran.

**Applications Packages**

CMAKE, QT, IntelliJ Idea, Visual Studio, ITK, Biopac, Acqknowledge, P-Spice, Origin, Proteus, Ubuntu, Latex.

## PROJECTS IMPLEMENTATIONS and SUPERVISION

Would you please open this link to see the Project of mine? [Project of Md. Kamrul Hasan.](#)

## BOOK CHAPTER

**M. K. Hasan, M. S. H. Sunny, S. Hossain, and M. Ahmad, "User Independency of SSVEP Based Brain Computer Interface Using ANN Classifier: Statistical Approach", Advances in Intelligent Systems and Computing, vol. 566, Springer, Cham, 2017.**

## INTERNATIONAL JOURNALS

**M. K. Hasan, M. A. Ahamed, M. Ahmad, and M. A. Rashid, "Prediction of Epileptic Seizure by Analyzing Time Series EEG Signal Using k-NN Classifier", Applied Bionics and Biomechanics, vol. 2017, pp. 12, 2017.**

**M. K. Hasan, M. S. Hossain, T. K. Ghosh, and M. Ahmad, "A SSVEP Based EEG Signal Analysis to Discriminate the Effects of Music Levels on Executional Attention", American Journal of Bioscience and Bioengineering, vol. 3, issue 3-1, pp. 27-33, May 2015.**

## INTERNATIONAL CONFERENCES

**M. K. Hasan, R. Z. Rusho, T. M. Hossain, T. K. Ghosh, and M. Ahmad, "Design and Simulation of Cost Effective Wireless EEG Acquisition System for Patient Monitoring", 3rd International Conference on Informatics, Electronics & Vision (ICIEV), IEEE (DOI: 10.1109/ICIEV.2014.6850797), DU, Dhaka, Bangladesh, pp.1 - 5, 23-24 May 2014.**

**M. K. Hasan, R. Z. Rusho, and M. Ahmad, "A Direct Noninvasive Brain Interface with Computer Based on Steady-State Visual-Evoked Potential (SSVEP) With High Transfer Rates", 2nd International Conference on Advances in Electrical Engineering (ICAEE), IEEE (DOI: 10.1109/ICAEE.2013.6750360), IUB, Dhaka, pp.341 - 346, 19-21 Dec. 2013.**

**More Details about Publications:**

Google Scholar: [scholar.google.com/citations?user=36WXELIAAAA&hl=en](https://scholar.google.com/citations?user=36WXELIAAAA&hl=en)

IEEE Papers: [ieeexplore.ieee.org/search/searchresult.jsp?newsearch=true&queryText=md.%20kamrul%20hasan%20kuet](https://ieeexplore.ieee.org/search/searchresult.jsp?newsearch=true&queryText=md.%20kamrul%20hasan%20kuet)

## ACHIEVMENT AND OTHER ACTIVITIES

1. Erasmus Mundus Scholarship from European Union.
2. University **Gold Medalists** (Will be awarded in next convocation).
3. Dean's list every year in recognition of excellent performance in Bachelor Degree.
4. Vocational Scholarship from KUET from 2010 to 2013 for outstanding result in Bachelor Degree.
5. External Examiner at different reputed Government Universities, Bangladesh.
6. Member, Consultancy Research & Testing Services (CRTS) of Dept. of Electrical and Electronic Engineering, Khulna University of Engineering & Technology, Khulna-9203 Bangladesh.

## REFERENCES

**Prof. Désiré Sidibé**

Local MAIA coordinator and Course Director  
University of Burgundy (uB)  
Le Creusot, France  
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E-mail: [dro-desire.sidibe@u-bourgogne.fr](mailto:dro-desire.sidibe@u-bourgogne.fr)  
Website: [le2i.cnrs.fr/-Dro-Desire-Sidibe-?lang=fr](http://le2i.cnrs.fr/-Dro-Desire-Sidibe-?lang=fr)

**Prof. Dr. Mohiuddin Ahmad**

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