

# HILLOL DAS

9+ years of experience

MARD (Pursuing), M.TECH - CSE (NIT Agartala), PG-DAC (CDAC Acts), B.E - CSE (TIT Narsingarh)

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## OBJECTIVE

To acquire an opportunity to establish an academic career in an organization where I can do meaningful works for the development of my teaching ability and which offers opportunity for growth, enriching the experience and to achieve excellence in the field of my work.

## AREA OF INTEREST

Technology related matters, e-Governance, Geo-Spatial Technologies for Rural Planning, Internet of Things with Human Computer Interaction and Image Processing using Pattern Recognition.

## ACADEMIC PROFILE

- 2014 **Master of Technology in Computer Science and Engineering** from **National Institute of Technology, Agartala, Government of India.**
- 2012 **Post Graduate – Diploma in Advanced Computing** from **Centre for Development of Advanced Computing (C-DAC) ACTS, PUNE** under **Ministry of Electronics and Information Technology, Government of India.**
- 2011 **Bachelor of Engineering in Computer Science and Engineering** from **Tripura Institute of Technology, Agartala, Tripura.**
- 2007 **All India Senior School Certificate Examination (AISSCE)** from **Jawahar Navodaya Vidyalaya Hailakandi School, Assam, Government of India.**
- 2005 **All India School Certificate Examination (AISCE)** from **Jawahar Navodaya Vidyalaya Hailakandi School, Assam, Government of India.**

## INDUSTRIAL TRAINING, ACADEMIC PROJECTS AND SEMINARS

- One Month Industrial Training on **DOT NET** From **Moniba Compu Academy Pvt. Ltd. (Authorized by IBM)** in 2010.
- **“Training Portal Site”** using J2EE (Servlet, JSP, JavaBeans) & ORACLE 10g, undertaken as mini project in B.E in the year 2010.
- A seminar on **“Blue Brain – an Artificial Intelligence Product - by EPFL and IBM combined Project”** in B.E in the year 2011.
- **“E-Resources”** using ASP. Net & SQL SERVER 2005, undertaken as final year project in B.E in the year 2011.
- **“Online Sales & Inventory Management System”** using Struts 2 and Hibernate framework, with Oracle 11g as backend in PG-DAC in the year 2012.
- A seminar on **“Common Attacks and Countermeasures in Wireless Sensor Networks”** in M.Tech in the year 2012.
- **“Controlling Home Appliances using Hand Gesture”**, undertaken as mini project in M.Tech in the year 2013.
- **“Automatic Detection and Analysis of Retinal Diseases from Fundus Images”** undertaken as final year project in M.Tech in the year 2014.

## INTERNATIONAL/ NATIONAL TRAINING, MEETING, TRAINING OF TRAINER, WEBINAR

- **“Specialized Training for e-Governance Program on Information Security Management”** which was held during 18<sup>th</sup> – 20<sup>th</sup> November, 2014 at Agartala, organized by **National Institute for Smart Government** and **Directorate of Information Technology, Govt. of Tripura** under **National eGovernance Plan**.
- **“One Month Induction Training Programme for the Panchayat Resource Development Officers (PRDOs)”** held from 1<sup>st</sup> February – 28<sup>th</sup> February, 2016 at **PRTI, A.D Nagar, Tripura, India**.
- **7 Days Training Programme on “e-Panchayat Applications”** held from 1<sup>st</sup> – 7<sup>th</sup> June, 2016 at **PRTI, A.D Nagar, Tripura, India**.
- **Training Programme on “e-Governance Applications for RD in context to the Digital India”** held from 20<sup>th</sup> – 24<sup>th</sup> June, 2016 at **NIRD&PR-NERC, Guwahati, Government of India**.
- **“Two Days Training Programme of Officer In-Charge PRTI (DPOs) & Panchayat Resource Development Officers (PRDOs)”** held from 10<sup>th</sup> – 11<sup>th</sup> November, 2016 at **PRTI, A.D Nagar, Tripura, India**.
- **“Induction Training Programme for the Cutting Edge Level Officials”** held from 14<sup>th</sup> – 27<sup>th</sup> December, 2016 at **SIPARD, A.D Nagar, Tripura, India**.
- **International Seminar on “Rural Habitat, Institutions and Development: Changing Nature & Challenges”** held from 5<sup>th</sup> – 7<sup>th</sup> January, 2017 at **Tripura University, India**.
- **National Level ToT Programme on “Enabling Digital Payments in Rural India”** held from 17<sup>th</sup> – 18<sup>th</sup> January, 2017 at **NIRD&PR-NERC, Guwahati, Government of India**.
- **Training cum Sensitization Programme on “Rooftop Off Grid Solar Energy Technologies”** held from 14<sup>th</sup> – 16<sup>th</sup> February, 2017 at **Panchayat Raj Training Institution, Udaipur, Gomati District, India**.
- **“Training Course on Training Need Analysis”** held from 30<sup>th</sup> October – 04<sup>th</sup> November, 2017 at **SIPARD, A.D Nagar, Tripura, India**.
- **“Three Day Course on Facilitation Skills”** held from 11<sup>th</sup> – 13<sup>th</sup> December, 2017 at **SIPARD, A.D Nagar, Tripura, India**.
- **2 Day District Level Training of Trainers on “Panchayat Enterprise Suite (PES) Applications”** held on 27<sup>th</sup> & 28<sup>th</sup> December, 2017 at **PRTI, A.D Nagar, Tripura, India**.
- **Training of Trainers Programme on “e-Enablement of Gram Panchayats: PES and PFMS”** held from 18<sup>th</sup> – 22<sup>nd</sup> June, 2018 at **NIRDPR, Hyderabad, Government of India**.
- **“Comprehensive Online Modified Modules for Induction Training (COMMIT)” – workshop for Training of Trainers** held on 11<sup>th</sup> October, 2018 at **SIPARD, A.D Nagar, Tripura, India**.
- **Training on “Blockchain Technology”** held on 14<sup>th</sup> January, 2020 at **Pragna Bhaban, Agartala, India** organized by **DIT, Agartala, Government of Tripura** in collaboration with **National Institute of Smart Government**.
- **“One week Trainer Development Programme on Experiential Learning Tools (ELT)”** held from 15<sup>th</sup> – 19<sup>th</sup> January 2019 at **SIPARD, A.D Nagar, Tripura, India**.
- **Training Programme on “ICT Applications in Office Automation”** held from 12<sup>th</sup> – 16<sup>th</sup> February, 2019 at **NIRD&PR-NERC, Guwahati, Government of India**.
- **Training on “Digital Governance”** held on 28<sup>th</sup> January, 2020 at **Pragna Bhaban, Agartala, India** organized by **DIT, Agartala, Government of Tripura** in collaboration with **National Institute of Smart Government**.
- **“Trainers of Training Programme on Direct Trainers Skill (DTS)”** held from 17<sup>th</sup> – 21<sup>st</sup> March 2020 at **SIPARD, A.D Nagar, Tripura, India**.

- **Online International Training** on “**Learning Science and impact of e-Learning on Rural Development Training**” organized by the **Panchayat Raj Training Institute, A. D. Nagar, Agartala** on 24th & 25th August, 2020.
- **Online Training of Trainers Programme** on “**Certification of Master Resource Persons**” held from 31<sup>st</sup> August to 03<sup>rd</sup> September, 2020 organized by **NIRDPR, Hyderabad, Government of India**.
- **Online Training of Trainers Programme** on “**Institutionalisation of Sustainable Development Goals (SDGs) through Panchayats to manage COVID-19 crisis**” held from 15<sup>th</sup> September to 18<sup>th</sup> September, 2020 organized by **NIRDPR, Hyderabad, Government of India**.
- **Online International Training** on “**Disaster Risk Resilience Leadership**” organized by the **Panchayat Raj Training Institute, A. D. Nagar, Agartala** on 24th & 25th September, 2020.
- The **International Webinar on Application of ICT in Higher Education During Covid-19 Pandemic** Jointly Organized by **IQAC & IGNOU Cell of Government Degree College, Kamalpur** in collaboration with **IGNOU, Agartala Regional Centre** on 2nd September 2020.
- The Webinar on **National Education Policy 2020** Organized by **Bir Bikram Memorial Government Degree College, Agartala, Government of Tripura** on 18<sup>th</sup> September 2020.
- **Online Training of Trainers Programme** on “**Spatial Planning for GDP**” held from 21<sup>st</sup> September to 25<sup>th</sup> September, 2020 organized by **NIRDPR-NERC, Guwahati, Government of India**.
- **Online Webinar Programme** on “**Applications of Open Source Technologies in Rural Development**” held from 06<sup>th</sup> – 09<sup>th</sup> October, 2020, organized by at **NIRD&PR-NERC, Guwahati, Government of India**.
- **Online Training of Trainers Programme** on “**Online ToT on Effective Utilization of 15th Finance Commission Grants**” held from 12<sup>th</sup> October to 15<sup>th</sup> October, 2020 organized by **NIRDPR, Hyderabad, Government of India**.
- **Online Orientation Training** on “**Panchayat Enterprise Suites (PES) and eGramSwaraj**” held from 07<sup>th</sup> – 10<sup>th</sup> October, 2020, Certificate ID: XCV2UQ-CE000011 organized by at **NIRD&PR-NERC, Guwahati, Government of India**.

## SOFTWARE SKILLS

- **Language** : C++, HTML, JAVA, J2EE, C#.NET, ASP.NET, Dart, etc.
- **Operating System** : Windows 10, Ubuntu, Android 10.
- **Database** : ORACLE 11g, SQL SERVER 2008, MySQL, etc.
- **Framework** : STRUTS 2, HIBERNATE 3.5, EJB 3.1, Flutter etc.
- **IDE** : Android Studio, Eclipse Helios, Microsoft Visual Studio 2008, Matlab 2014, Arduino, IntelliJ IDEA, NetBeans, Adobe Dreamweaver.
- **Other Skills** : Google AdSense, Firebase, AdMob etc.

## ACHIEVEMENTS

- Qualified **Graduate Aptitude Test in Engineering (GATE)** twice in the year 2012 and 2015.
- Qualified **OPENMAT-XL (Management Programme) Test, IGNOU** in the year 2016.
- **Best Paper Award** for the paper title “**Locating Optic Disk in Retinal Fundus Images using Normalized Cross Correlation**”. International Conference on Emerging Research in Computing, Information, Communication and Applications, ERCICA 2014, **ELSEVIER**, ISBN: 9789351072638, Bangalore, INDIA.
- **Ranked 1<sup>st</sup>** in the **Entrance Examination** for admission to M.Tech in CSE Department conducted by Tripura University (**Central University**) in the year of 2012.

- **Consistency in increasing CGPA marks in every semester** during M.Tech Curriculum in Computer Science and Engineering Department at NIT Agartala.
- Have participated in various **school and district level painting competitions** and **won many 1<sup>st</sup> prizes**.
- Scored consecutively **95 percentile** in state level Aptitude Test conducted by **NIIT** in the year of 2010 and 2011.
- **Excellent performance** in course titled **Basics of Computers, Internet, MS Office, RDBMS and C++** certified by **NIIT** in 2006.
- Cleared **Tripura Public Service Commission Exam (TPSC) twice** for **Group – A & Group – B Post** in the year 2015.
- **Certified as Training Need Analysis (TNA) Consultant** by joint venture of Training Division, **Department of Personnel & Training, Government of India** and SIPARD, Tripura on 04<sup>th</sup> November 2017.
- **Certified as Faculty Member** in **12 Day Dronacharya 0.1 Course on Basic Android App Development** during **25<sup>th</sup> Dec, 2019 – 05<sup>th</sup> Jan, 2020** organized by **NGO: SEBALOY, Agartala, Tripura**.
- Coordinated and delivered 150 minutes session on **Digital India and Transforming India** on 06/07/2015 at Rajarshi Hall, Udaipur, Gomati District organized by District Administration, Gomati District, Government of Tripura. **Gomati District** awarded as **Best Performing District** in India to spread awareness about **Digital India** at grass-root levels during **Digital India Week Campaign 2015**.
- Designed and Developed the **Website** for **Bir Bikram Memorial College**, Government of Tripura in the year 2014 using .Net, Cascading Style Sheet and Java Script.
- **Certified by Google** for successful completion of **The Fundamentals of Digital Marketing certification exam** with Registered **Certificate ID: ANB ZGJ RRR**.
- Designed and Developed **Tripura Calendar 2020**: Android App and published in **Google Play Store** with 2500+ Downloads as on 10<sup>th</sup> October, 2020 publicly available for free at URL: <https://play.google.com/store/apps/details?id=tripura.zinfozone.calendar.generaladministration>

#### PEER-REVIEWED JOURNALS / CONFERENCE PAPERS

- **Hilloi Das**, Ashim Saha, Suman Deb and Gautam Nath. **“An Automated Approach to Differentiate a Normal eye from a Defective Eye”**. International Journal of Computer Applications 79(15):10-15, October 2013. Published by Foundation of Computer Science, New York, USA.
- Ashim Saha, **Hilloi Das**, Nirmalya Kar and M C Pal. **“An Approach of Extracting Facial Components for Facial Expression Detection using Fiducial Point Detection”**. International Journal of Computer Applications 80(10):49-53, October 2013. Published by Foundation of Computer Science, New York, USA.
- Nikhil Debbarma, Gautam Nath and **Hilloi Das**. **“Analysis of Data Quality and Performance Issues in Data Warehousing and Business Intelligence”**. International Journal of Computer Applications 79(15):20-26, October 2013. Published by Foundation of Computer Science, New York, USA.
- **Hilloi Das**, Ashim Saha, Suman Deb. **“An expert system to distinguish a defective eye from a normal eye”**. 2014 International Conference on Issues & Challenges in Intelligent Computing Techniques (ICICT 2014), IEEE ISBN: 978-1-4799-2899-6 pp159-162.
- **Hilloi Das**, Ashim Saha, Suman Deb. **“Locating Optic Disk in Retinal Fundus Images using Normalized Cross Correlation”**. International Conference on Emerging Research in Computing, Information, Communication and Applications, ERCICA 2014, ELSEVIER, ISBN: 9789351072638, Bangalore, INDIA.

- **Er. Hillol Das, “Strategies to make Training Programs more effective at Panchayat Raj Training Institute”.** International Seminar & 48<sup>th</sup> Regional Science Conference on on “**Rural Habitat, Institutions and Development: Changing Nature & Challenges**” held from 5<sup>th</sup> – 7<sup>th</sup> January, 2017 at Tripura University, India.

#### WORKSHOPS / CONFERENCES / SCHOOLS ATTENDED / FD PROGRAMME

- **Two days National Workshop on “MATLAB and its Application in Digital Image Processing and Pattern Recognition”** held on 29<sup>th</sup>-30<sup>th</sup> November, 2013 at **National Institute of Technology Agartala (NIT-A), India.**
- **“Workshop on Image and Speech Processing (WISP 2013)”** held on 13<sup>th</sup>-14<sup>th</sup> December, 2013 at **Indian Institute of Technology Guwahati (IIT-G), India.**
- **“2014 International Conference on Issues and Challenges in Intelligent Computing Techniques”** held on 7<sup>th</sup>-8<sup>th</sup> February, 2014 at **Krishna Institute of Engineering & Technology Ghaziabad (KIET), India.**
- **North-East ISI-NIT Agartala SPRING SCHOOL on “Algorithms for Mobile and Pervasive Computing”** held on 24<sup>th</sup>-26<sup>th</sup> February, 2014 at **National Institute of Technology Agartala (NIT-A), India.**
- **ISI-TU WINTER SCHOOL on “Pattern Recognition and Image Processing”** held on 25<sup>th</sup>-29<sup>th</sup> March, 2014 at **Tripura University (A Central University), India.**
- **One week Faculty Development Programme on “Advanced Software Engineering”** held on 26<sup>th</sup>-30<sup>th</sup> September, 2014 at **Tripura Institute of Technology, Narsingarh, India.**
- **Two days National Workshop on “Cloud Computing”** held on 20<sup>th</sup> -21<sup>st</sup> October, 2014 at **National Institute of Technology Agartala (NIT-A), India.**
- **Two days National Workshop on “Human Computer Interaction”** held on 13<sup>th</sup> -14<sup>th</sup> February, 2015 at **National Institute of Technology Agartala (NIT-A), India.**
- **Two days Faculty Development Programme on “Recent Trends in R.F. and Wireless Communication”** held on 13<sup>th</sup> -14<sup>th</sup> March, 2015 at **Tripura Institute of Technology, Narsingarh, India.**
- **One day Workshop on “Intel HPC Code Modernization (Parallelization)”** held on 06<sup>th</sup> August, 2015 at **National Institute of Technology Agartala (NIT-A), India.**
- **48<sup>th</sup> Regional Science Conference on “Rural Habitat, Institutions and Development: Changing Nature & Challenges”** held from 5<sup>th</sup> – 7<sup>th</sup> January, 2017 at **Tripura University, India.**
- **Presented Project Proposal (for Innovation) from Panchayat Department, Government of Tripura** in the meeting on **CEC Rashtriya Gram Swaraj Abhiyan (RGSA), Ministry of Panchayati Raj, Government of India** held on **13<sup>th</sup> June, 2019** at **Vigyan Bhawan, New Delhi.**
- **One day Workshop on “Community Based Climate Change Adaptation: Addressing Smart Climate Approach”** held on 08<sup>th</sup> December, 2020 organized by **SIPARD, Agartala and NIRD&PR-NERC, Guwahati, Government of India.**

#### BOOKS AUTHORED

- **Hillol Das. “Automatic Detection and Analysis of Retinal Diseases from Fundus Images”.** ISBN: 9783-659-57415-3, Publisher: **LAP LAMBERT Academic Publishing, Germany.**
- **Hillol Das. “A Partial Tool on Efficiency Ranking Mechanism based on Age and Qualification”.** ISBN: (Under Process), Publisher: **SMASHWORDS INC, Pacific Grove, CA, USA.**

## MENTORSHIP

- **Pal, A., Das, H., Das, M., “A STUDY ON EFFECTIVENESS OF PANCHAYAT MONITORING SYSTEM FOR ACHIEVING SUSTAINABLE DEVELOPMENT GOALS WITH SPECIAL EMPHASIS ON ALL THE 29 SUBJECTS OF ARTICLE 243G OF INDIAN CONSTITUTION”.** Department of Business Management Tripura University.
- **Das, H., “ARRANGE ITEMS, COURIER SERVICE”** Registered with **UAN.: TR08D0002313** as Micro Service Enterprise under Ministry of Micro, Small & Medium Enterprises, Government of India

## WORK EXPERIENCES

- Worked as **Computer Instructor** (training period) in **C-DAC Satellite Center at National Institute of Technology Agartala (NIT Agartala), India** from August, 2011 to February, 2012.
- Worked as **Technical Assistant** in the Department of Computer Science & Engineering at **National Institute of Technology Agartala (NIT Agartala), India** from March, 2012 to July, 2012.
- Worked as **Teaching Assistant** (as availed GATE scholarship) in the Department of Computer Science & Engineering at **National Institute of Technology Agartala (NIT Agartala), India** from August, 2012 to June, 2014.
- Worked as **Assistant Professor** in **Holy Cross College, Agartala, India** from 1<sup>st</sup> July, 2014 to 31<sup>st</sup> December, 2014.
- Worked as **Visiting Lecturer** in **Bir Bikram Memorial College, Agartala, India** from July – November, 2014.
- Worked as **District Project Manager** at **NIELIT Agartala. Govt. of India** with supervision of **Directorate of Information Technology, Govt. of Tripura** under **e-District MMP, e-Governance, DeitY, Govt. of India** at **Office of the DM & Collector, Gomati District, Tripura** from 10<sup>th</sup> November 2014 to 21<sup>st</sup> January 2016.
- Working as **Panchayat Resource Development Officer (Computer)** at **Department of RD (Panchayat), Govt. of Tripura** from 22<sup>nd</sup> January 2016 and continuing...

## PERSONAL INFORMATION

Gender : Male Blood Group : A+  
Nationality : Indian Languages : English, Hindi, Bengali  
Father's name: Nirmal Chandra Das  
Permanent address: South Bagadi, Behind TIT College, P.O- Narsingarh, Tripura (W), 799015.

## LEISURE INTERESTS

- Listening to music, reading ebooks painting and learning basics of emerging information technology.
- Visiting Educational Social Networking Websites.
- Searching research oriented stuffs in internet.

## DECLARATION

I do hereby declare that the particulars of information and facts stated here correct and complete to the best of my knowledge and belief.

Place: Agartala, Tripura, India

Date: 10<sup>th</sup> December, 2020

HILLOL DAS