

CURRICULUM VITAE

	<p>Smt. Usha Rani Gogoi Ph.D. Research Scholar, DST INSPIRE Fellow, Computer Science & Engineering Department Tripura University (A Central university) Suryamaninagar-799022, Tripura (W), India Mob. No. +919863535768 Emails: ushagogoi.cse@gmail.com usgo130@gmail.com</p>
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Educational Qualifications:

DEGREE	UNIVERSITY / BOARD	YEAR	SUBJECTS	PERCENTAGE/R EMARKS
M.Tech	Tripura University (A Central University), Suryamaninagar-799022, Tripura, India.	2014	Computer Science and Engineering	81.3% (Gold Medalist)
B.E.	Guwahati University, Assam, India	2011	Computer Science and Engineering	75.80% with Honors (Holding 6 th position in Guwahati University)
Class XII (HS+2)	Assam Higher Secondary Education Council	2006	Science Stream	65.40%
Class X (HSLC)	Secondary Education Board of Assam	2004	--	80.00% (Distinction)

Experience Details:

POSITION	UNIVERSITY / INSTITUTION	DATES
Junior Research Fellow	Department of Computer Science & Engineering (CSE), Tripura University (A Central University)	26-05-2014 to 05-09-2015

Publications

A. Journals

1. Mrinal Kanti Bhowmik, **Usha Rani Gogoi**, Gautam Majumdar, Dhritiman Datta, Anjan Kumar Ghosh, Debotosh Bhattacharjee, "**Designing of Ground Truth Annotated DBT-TU-JU Breast Thermogram Database towards Early Abnormality Prediction**," accepted in Journal of Biomedical and Health Informatics, publisher: IEEE, ISSN: 2168-2194, **Indexed by Science Citation Index (SCI), Impact factor: 3.451** (Accepted on 9th August, 2017).

B. Book Chapters

1. **U. R. Gogoi**, M. K. Bhowmik, D. Bhattacharjee, A. K. Ghosh, G. Majumdar, “**A Study and Analysis of Hybrid Intelligent Techniques based Breast Cancer Detection using Breast Thermograms**”, Book chapter of “Hybrid Soft Computing Approaches: Research and Applications”, Edited by: Dr. S. Bhattacharyya, Prof.(Dr.) P. Dutta, and Prof. (Dr.) S. Chakraborty, Springer India, pp. 329-359, 2016.
2. A. Roy, **U. R. Gogoi**, M. K. Bhowmik “**An Analytical Study on Research Trends on Breast Cancer in North-East India**”, Book Chapter of “BIGDATA ANALYTICS”, Edited by: Ajit Kumar Roy, published by Ajit Kumar Roy, Kindle Edition, 2015.

C. National/ International Conference / Seminar

1. **U. R. Gogoi**, M. K. Bhowmik, “**Imaging Based Breast Cancer Detection and Diagnosis using PACS**”, Published Abstract in 1st National Seminar on E-resource and E-learning: Challenges and Opportunities, Organized by Department of Information Technology, Bir Bikram Memorial College, Agartala, Tripura (w), India, 2014.
2. **U. R. Gogoi**, M. K. Bhowmik, P. Saha, D. Bhattacharjee, and B. K. De, "**Facial Mole Detection: An Approach towards Face Identification**", Procedia Computer Science, vol. 46, pp. 1546-1553, 2015.
3. **U. R. Gogoi**, G. Majumdar, M. K. Bhowmik, A. K. Ghosh, and D. Bhattacharjee, "**Breast Abnormality Detection Through Statistical Feature Analysis Using Infrared Thermograms**," 2015 International Symposium on Advanced Computing and Communication (ISACC), IEEE, pp.-258 - 265, 2015.
4. M. K. Bhowmik, **U. R. Gogoi**, K. Das, A. K. Ghosh, D. Bhattacharjee, G. Majumdar, “**Standardization of infrared breast thermogram acquisition protocols and abnormality analysis of breast thermograms**” in SPIE Commercial + Scientific Sensing and Imaging, pp. 986115-(1-18), 2016.
5. **U. R. Gogoi**, M. K. Bhowmik, A. K. Ghosh, D. Bhattacharjee, G. Majumdar, “**Discriminative Feature Selection for Breast Abnormality Detection and Accurate Classification of Thermograms**” in IEEE International Conference International Conference on Innovations in Electronics, Signal processing and Communication, pp. 39-44, 2017.
6. Mrinal Kanti Bhowmik, Anindita Roy, **Usha Rani Gogoi** and Niharika Nath, "**Estimation of Architectural Distortion in Mammograms using Fractal Features**", in IEEE 2017 Nuclear Science Symposium and Medical Imaging Conference and 24th Symposium on Room-Temperature X- and Gamma-Ray Detectors (Theme: Medical imaging using ionizing radiation technologies), organized by IEEE Nuclear and Plasma Science Society, published by IEEE, 2017.
7. Anindita Roy, **Usha Rani Gogoi**, Dipak Hrishi Das and Mrinal Kanti Bhowmik and Sachindra Nath Karmakar, " **Fractal Feature Based Early Breast Abnormality Prediction**", in Fifth IEEE Region 10 (Asia Pacific) Humanitarian Technology Conference (R10HTC) 2017, organized by IEEE R10 and IEEE Bangladesh Section, published by IEEE.

ComputationalSkill:

Languages / Subjects	C++ , Networking, Datastructure, DBMS, Image Processing
database	SQL 9i, Oracle 10g

Framework	VB, MATLAB
Operating system	Linux, Windows 7/ XP/ vista

PROFESSIONAL TRAINING

- 1) Undergone one month Industrial training in IT/ERP Department of HINDUSTAN PAPER CORPORATION LIMITED, NAGAON PAPER MILL on Computer Networking.
- 2) Undergone 21 days Training for DBT-Twinning Project purpose at Jadavpur University, Kolkata.

ACADEMIC PROJECTS

1) Final Year B.E. Project

Name of the project:Digital Image Watermark

Objective of the project: To provide Authentication of the digital data against any possible attack by embedding secondary signal or pattern onto that image that is not perceivable. This procedure of embedding secondary image is called digital watermarking

Hardware Environment: A computer system with Intel Core™2 duo running at 2.1 GHz was used.

Software Environment: MATLAB R2008a

2) Finale Year M.Tech Project

Name of the project: Facial Mole Detection

Objective of the project: To develop an accurate facial mole detection technique to fasten the face identification and investigation using facial marks.

Software Environment: MATLAB R2009a

SEMINER / WORKSHOP ATTENDED

- Participated in “**Workshop on Machine Learning and Applications**”, held on 22th to 24th February, 2017 at Tripura University(A central University) organized by Department of CVPR unit, ISI, Kolkata and Department of Information Technology, Tripura University (A Central University).
- Participated in “**National Level Workshop onComputational Aspects of Inflammatory Pain Related Diseases**”, held on 20th November, 2015 at Tripura University(A central University) organized by Department of Computer Science and Engineering, Tripura University.
- Participated in “**Workshop On Fundamentals Of Image Analysis And Pattern Recognition**” held on 6th to 8th Feb, 2015 at Tripura University, Suryamaninagar-799022, India, organized by Dept. of Compute Science and Dept. of Information Technology
- Participated in the National Seminar on “**E-source and E-learning:Challenges and Opportunities for students**” held on 26th to 27thJuly, 2014 at Bir Bikram Memorial College, Agartala, India, sponsored by UGC.
- Participated in “**Workshop on Activities of Society for Applied Microwave Electronics Engineering & Research in Emerging Fields of Computer & Electronics Science**

&Engineering ” held on 5th July, 2014 at Tripura University, Agartala, India organized by Dept. of Compute Science and Dept. of Information Technology.

- Participated in “**Workshop on Rough Set and its Application**” held from 17th to 18th November, 2012 at Tripura University, Agartala, India organized by Dept. of Mathematics and FRSA .
- Participated in “**Workshop on Digital Holograpy,**” held from 23rd to 24th May, 2013 at Tripura University, Agartala, India organized by Dept. of Compute Science and Dept. of Information Technology.

Personal Details

DATE OF BIRTH : 7th November, 1987
AGE :30years
SEX :Female
FATHER’S NAME :Pradip Kumar Gogoi
NATIONALITY : Indian
MARITAL STATUS :Married
CONTACT ADDRESS :W/O - Debasish Bhowmik
P.O. & Vill.- Siddhi Ashram
Agartala, Tripura West, Pin No. 799003
LANGUAGE KNOWN :English, Assamese, Hindi, Bengali
STRENGTH :Disciplined, Punctual,
- Self-motivated and passion to success,
- Quick learner,
- Good Listener,
- Organized,
- Multi-tasking
- Team work