

PATENT PUBLISHED:

- 01 Title:** Novel Facts based on classifier algorithms towards achieving optimum accuracy in liver cancer diagnosis, precision and recall.
File Number: 201811006523
Date of Filing: 21/02/2018
Inventors: Kuntal Barua *et. al.*
- 02 Title:** NIRF dataset based analysis of Higher Education Institutes (HEIs) in India – A critical thinking perspective
File Number: 201811021694
Date of Filing: 11/06/2018
Inventors: Kuntal Barua *et. al.*

BOOK PUBLISHED:

1. “**Fundamentals of Soft Computing**” by BPB Publications in 2017 (ISBN: 978-93-86551-56-6).
2. “**Database (Easy Guide)**” by LAMBERT ACADEMIC PUBLISHING in 2013 (ISBN: 978-3-659-15924-4).

COLLABORATIVE WORKS:

Sl No	Work profile	National / International	Organization (Corporate / Institute)
1	FDP through corporate trainer	National	Mrs. Renu Rajani – VP-Infosys-Financial / ADM Service
2	B.Tech. CSE (Integrated)	National International	IBM-ICE and HPE-Microfocus Samara University, Ethiopia
3	Faculty / Student Exchange Program	International International International	All Nations University College, Ghana University of Wolverhampton, UK Kyungdong University, Korea University of Salerno, Italy

CHAIRPERSON / ADVISOR / EDITORIAL BOARD MEMBERSHIP/ REVIEWER / FELLOWSHIP:

1. **Life membership:**
 - a. ISRD (International Society for Research and Development) : SR4150900519
 - b. ISTE (Indian Society for Technical Education) : LM118361
 - c. ISC (Indian Science Congress) : L33252
 - d. CSI (Computer Society of India) : F8002276
2. **Chairperson** of International conference **TIMES'15**.
3. Fellow of Association of Research Society in Computing” (**FARSC**)
4. **Advisor / Editorial Board Members** of International Journal of Application or Innovation in Engineering & Management (**IJAEM**). Member ID: 1027 and **IJTRM**.
5. **Reviewer** of International Journal of Computer Science Engineering and Information Technology Research (**IJCSEITR**).
6. Member of **TECHNOSRIJAN Co-ordination Committee** (Festival of Technical Papers & Innovative Models)
7. Member of International Association of Engineers (**IAENG**), International Association of Computer Science and Information Technology (**IACSIT**), **ISOC Global** (94054); **Kolkata Chapter** (398029); **Delhi Chapter** (435794) (Internet Society).

M.TECH PROJECT GUIDED: 16 (SIXTEEN)

VISITING FACULTY / USS:

Sl Nos.	Organization	Job Profile	Duration
1	WBUT, Kolkata	University Station Supervisor	Dec'11
2	SSCE (B.Ed.), Kalyani	Lecturer	Aug'11 – June'12

GATE:

GATE-2008, PERCENTILE: 88.57

RESEARCH PAPERS PUBLISHED:

1. Kuntal Barua, Samayaita Bhattacharya, Dr. Kalyani Mali Paper named “Fingerprint Identification” has been published, In the “Global Journal of Computer Science & Technology, Volume 11 Issue Version 1.0 April 2011, Online ISSN: 0975-4172 & Print ISSN: 0975-4350”.
2. Kuntal Barua, Samayaita Bhattacharya, Dr. Kalyani Mali Paper named “De-Noising of A Fingerprint Image for False Minutia Elimination” accepted on International Conference on Computer Science and Information Technology-2011.
3. Kuntal Barua, Samayaita Bhattacharya, Dr. Kalyani Mali Paper named “Proposed Algorithm for Introducing Noise in an Image (fingerprint) [PAINI]” accepted on National Conference on Emerging Trends In Computing and Information Technology (NCETCIT 2011).
4. Kuntal Barua, Samayaita Bhattacharya, Dr. Kalyani Mali Paper named “Gradual Advancements in Fingerprint Recognition: A Survey” accepted on UGC Sponsored National Symposium on “Emerging Trends in Computer Science

ETCS-2012” and it’s proceedings (978–81–921808–2–3).

5. Kuntal Barua Paper presentation at a National Seminar on “Reality & Practices of NCTE curriculum Framework-2009 in the Light of National Curriculum Framework-2005” sponsored by “CTE scheme of MHRD through Govt. of WB” on Sept.,2011.
6. Kuntal Barua Paper named “Achieving Interactive Quality Education Through ICT and E-JOURNALING” in the “Journal of Education & Culture (ISSN No:-2229-4287), Vol.3, sept.2011”.
7. Kuntal Barua, Samayaita Bhattacharya, Dr. Kalyani Mali Paper named “Inimitability of Fingerprint for Establishment of Identity” in the “International Journal of Electronics and Computer Science Engineering (ISSN No:-2277-1956)”
8. Kuntal Barua, Geetika Batra Paper named “A Review on cost and effort estimation approach for software development” in the “International Journal of Engineering and Innovative Technology (IJEIT) ISSN:2277-3754 and Volume 3, Issue 4” PP 290 to 293.
9. Kuntal Barua, Milind Bhandare, Vikas Nagare paper named “Generic Log Analyzer using Hadoop Map reduce Framework” in the “International Journal of Emerging Technology and Advanced Engineering (IJETA) ISSN Online: 2250–2459 and Volume 3, Issue 9” PP 603 to 607.
10. Kuntal Barua, Geetika Batra paper named “An optimization of effort and cost estimation by code reusability concept” in the “International Journal Of Computer Engineering & Technology (IJCET) ISSN Online: 0976 – 6375 and Volume 4, Issue 5” PP 251 to 257.
11. Kuntal Barua, Chandar Sahu Paper Named “An Intelligent Ids Based On Process Mining And Decision Tree” In The “National Multi Conference On Contemporary Scenario In Management, Computer Engineering And Physics-Inovations And Growth ”
12. Kuntal Barua, Dr. M. K. Rawat paper named “Gradual Advancements In Mobile Technology: A Survey” in the “National Multi Conference On Contemporary Scenario In Management, Computer Engineering And Physics-Inovations And Growth”
13. Kuntal Barua, Ashwini Verma paper named “Clustering Based on Numerical Datasets for Crawling Pattern.A simulation Approach” in the “National Multi Conference On Contemporary Scenario In Management, Computer Engineering And Physics-Inovations And Growth”.
14. ER. Kuntal Barua, Milind Bhandare, Dr. M. K. Rawat, Rahul Pawar paper named “Heterogeneous Log File Analyzer system Using Hadoop Mapreduce Framework” in the “International Journal of Application or Innovation in Engineering & Management (IJAIEM) ISSN 2319 - 4847 and Volume 2, Issue 12” PP 448 to 451.
15. ER. Kuntal Barua, Chaitanya Sohani, Er. Pawan Patidar and Dr. M. K. Rawat paper named “Classification and Retrieval of Semantic Video Events” in the “Engineering Universe for Scientific Research and Management (EUSRM) ISSN (Online) 2319-3069 and Volume 6, Issue 2”.
16. ER. Kuntal Barua, Raghvendra Prasad and Dr. M. K. Rawat paper named “Implementation, Detection and Prevention of Black hole Attack for Mobile ADHOC Network Scenario using NS-2” in the “Engineering Universe for Scientific Research and Management (EUSRM) ISSN (Online) 2319-3069 and Volume 6, Issue 2”.
17. ER. Kuntal Barua, Geetika Batra paper named “A Novel Approach for Reduction of Software effort and Cost Estimation” in the “TechnoSrijan-2014”.
18. ER. Kuntal Barua, Chandar Sahu paper named “A comparative study between ID3 and Fuzzy ID3 to Forecast Seasonal Runoff” in the “TechnoSrijan-2014”.
19. ER. Kuntal Barua, Er. Krishnakant Kishore paper named “Modification of Local Directional Pattern Algorithm Face Recognition” in the “Emerging global trends in Computer Science and Engineering”.
20. ER. Kuntal Barua, Geetika Batra and Dr. M. K. Rawat paper named “A Minimization of Software Cost and Effort Estimation Using Code resuability concept by Analogy Estimation Technique” in the “Engineering Universe for Scientific Research and Management (EUSRM) ISSN (Online) 2319-3069 and Volume 6, Issue 4”.
21. ER. Kuntal Barua, Geetika Batra paper named “An Optimization of Cost and Effort Estimation using Code Reusuability” in the “3rd National Seminar on " Contemporary Scenario in Computer Science Engineering And Engg Physics”.
22. ER. Kuntal Barua, Geetika Batra and Dr. M. K. Rawat paper named “Black hole Attack Implementation, Detection and Prevention for Mobile ADHOC Network Scenario using NS-2” in the “International Journal of Science and Research (IJSR) ISSN (Online) 2319-7064 and Volume 3 Issue 3, March 2014”.
23. Er. Kuntal Barua, Dr. Prasun Chakrabarti; paper named “Detection and Classification for Blood Cancer-A Survey” in the International Journal of Computer Trends and Technology (IJCTT) – Volume 36 Number 2 - June 2016- (www.ijcttjournal.org); ISSN: 2231-2803; pp-65-70.
24. Er. Kuntal Barua, Dr. Prasun Chakrabarti; paper named “A Survey on Critical Thinking in Education Scenario” in the International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRCSCE) – Volume 3, Issue 12 - Dec 2017- (www.ijfrsce.org); ISSN: 2454-4248; pp-197-203.
25. Barua K. and Chakrabarti P., A Predictive Analytical Model in Education Scenario based on Critical Thinking using WEKA, International Journal of Technology Research and Management (IJTRM), Volume 5, Issue 3, 2018; pp 01-07.
26. Barua K. and Chakrabarti P., Performance Analysis through Critical Thinking on Bayes, Function and Tree Classifier- Predictive Model, Advances in Computational Sciences and Technology (ACST); 2018. (Accepted)

CERTIFICATIONS:

1. Two week AICTE approved FDP by IIT-Bombay on “Foundation Program in ICT for Education (FDP101X)”.
2. 2015 **IEEE** Global Early Career Faculty Virtual Mini-Conference: **Effective Teaching**
3. 2014 **IEEE** Global Early Career Faculty Virtual Mini-Conference: **Effective Teaching**
4. **System Administration & Networking using LINUX.**
5. **JAVA.**