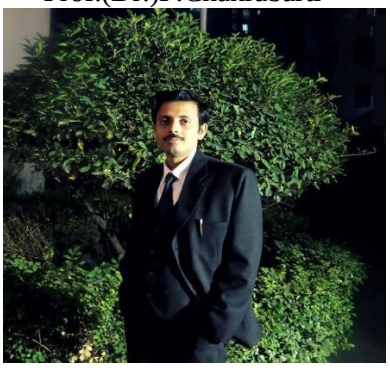
PROFILE

"God is said to be invisible. But in my opinion God is visible. ***My parents are my God*** *. In our life we should follow someone, make him/her idol , treat as God in order to be a God in future."*

- Prof.(Dr.)P.Chakrabarti



1) NAME : **PROF. (DR.) PRASUN CHAKRABARTI**

Ph.D(Engg) Jadavpur University
Doctor of Science (D.Sc h.c.) Shiraz University of Medical Sciences

Honorary Fellow, Iranian Neuroscience Society
Fellow of Royal Society of Arts (London), FIET(UK), FIE, FIETE, FCET(I), FIRSD(UK), FAE(I), FIAER (London), Fellow- Nikhil Bharat Shiksha Parisad

2) DATE OF BIRTH : The 9th day of March , 1981

3) ADDRESS : NABANIR, 23U, D.P.P.Road, Kolkata-700047, West Bengal, India

4) EMAIL_ID : drprasun.cse@gmail.com ; prasun9999@rediffmail.com

5) MOBILE : +91 6290026219

6) POSITIONS :

Current Position : **PROVOST**
&
Institute Endowed Distinguished Senior Chair Professor
Department of Computer Science and Engineering
Techno India NJR of Technology, Udaipur -313003, Rajasthan, INDIA

Visiting Position : **Visiting Distinguished Research Professor**
Smart Grids and Smart Cities Laboratory (SMARTLab)
University of Salerno,
Via Giovanni Paolo II, 132, Fisciano (SA)-84084 Italy
Term : January 01,2020 – December 31,2022

Adjunct Position : **Adjunct Distinguished Research Professor**
Data Analytics & Artificial Intelligence Laboratory - DAAI Lab
Thu Dau Mot University
06 Tran Van On street, Phu Hoa district, Thu Dau Mot city, Binh Duong province, Vietnam
Term : September 30, 2020 – August 31, 2021

Distinguished Research Fellow : Dana Brain Health Institute / National Brain Mapping Lab
DBHI/NBML, Iran
Reference No. 19221RFDBHI
www.dbhi.ir | www.nbml.ir
Term : February 19, 2021 – February 18, 2023

7) ACADEMIC RECOGNITIONS :

I) Elected as

FELLOW , THE INSTITUTIONS OF ENGINEERS (INDIA) [F-1276197] in 2021

HONORARY FELLOW , IRANIAN NEUROSCIENCE SOCIETY [HonsFINSS – 15221] in 2021

FELLOW, NIKHIL BHARAT SHIKSHA PARISAD [NBSPIN33A] in 2021

FELLOW, ROYAL SOCIETY OF ARTS (RSA) [F-8199304] in 2020

FELLOW , IET (UK) [F-70727757] in 2020

II) Visited **GTE Laboratory , Asian Institute of Technology Bangkok** as per invitation by **Prof Pham Huy Giao**, Associate Professor and Chair, Geotechnical and Earth Resources Engineering Program, from October 26-29,2019 for pursuing collaborative research work on "Applications of Artificial Intelligence in Geotechnical and Earth Resources Engineering".

III) Visited **The Logistics Institute-Asia Pacific – National University of Singapore** from April 16-19,2019 as **Visiting Scholar** and **Research collaborator** of **Prof Mark Goh**

IV) Visited **Cyber Security Laboratory (N4.B2.c06) of School of Computer Engineering, Nanyang Technological University** Singapore from April 19-20,2019 as **Visiting Professor** and **Research collaborator** of **Dr Ng Wee Keong**

V) **Visiting Research Professor** and **Research Collaborator** of **Prof R B Bapat** at Theoretical Statistics and Mathematics Unit, **Indian Statistical Institute Delhi** (February 11-16,2019) and (November 27-28,2019).

VI) Elected as **FELLOW** [F-1812041] , International Association of Educators and Researchers, London UK in 2019

VII) Visited Lincoln University College Malaysia as **Visiting Distinguished Senior Professor** from 5th to 9th November 2018

VIII) Associated with SMARTLab, University of Salerno, Italy **as Visiting Distinguished Research Professor** for 3 years (January 01,2020 – December 31,2022) vide Ref No: UNISA-Italy/Lab-Prof.Siano/December-2019/009

IX) Elected as **LIFE FELLOW** [LF-251] , The Association of Engineers, India in 2018

X) Visited **Lincoln University College Malaysia** from February 26 – March 02, 2018 as **Visiting Distinguished Professor**

XI) Elected as **FELLOW** [F-3140900836] , International Society for Research and Development (ISRD),UK in 2018

XII) Elevated after scrutiny and election in Admission and Advancement (A&A) Senior Member Review Panel Meeting Schedule on June 10,2017 in Boston, MA, USA(R1) as **SENIOR MEMBER** [SM-90315859] , IEEE,USA in 2017

XIII) Elected as **FELLOW** [F-500321] ,The Institution of Electronics and Telecommunication Engineers (IETE) in 2016

XIV) Elected as **FELLOW** [F-30052], The Council of Engineering & Technology(India) in 2016

XV) Biography enlisted in **Marquis Who's Who in the World**, 2011 , 28th Edition , USA ; in 2000 **Outstanding Intellectuals of the 21st Century, 2011** by International Biographical Centre, UK and in Learned India Educationists Who's Who 2017

XVI) Visited **Waseda University, Japan** from 16th to 25th May 2012 as Honorary Visiting Professor under INSA-CICS Travel Fellowship Award
XVII) Visited **University of Mauritius** as Honorary Visiting Professor from 21st to 27th May 2015.Visited Dept.of Computer Engineering, **Nanyang Technological University, Singapore** as Honorary Visiting Professor on 21st September 2015 and on 21st March 2016.

8) R&D PROJECT :

Title : Discovered facts of Quantification of Thought Process – A perspective of the Philosophy of mind
Principal Investigator : Prof Prasun Chakrabarti ; Co-Principal Investigator : Dr Tulika Chakrabarti
Sanctioning Body : Indian Council of Philosophical Research (ICPR) New Delhi (Govt of India, MHRD)
Amount : 2 lacs (2019-21) Reference : F.4-7/18-19/P&R/ICPR

9) INTELLECTUAL PROPERTY :

Australian Innovation Patents (Granted) –

(1) **Patent Number: 2021100000**
Date of filing: Jan 1, 2021
Date of grant: Mar 3, 2021
Title of invention: A method to measure the air pollution impact on terrestrial and natural vegetation in urban locations

(2) **Patent Number: 2021100003**
Date of filing: Jan 1, 2021
Date of grant: Mar 3, 2021
Title of invention: A Deep Transportation Model to predict the human mobility for autonomous vehicle

(3) **Patent Number: 2020104365**
Date of filing: Dec 29, 2020
Date of grant: Mar 3, 2021
Title of invention: An Efficient Power Distribution Based on IOT-Fog Resource for Effective Proxy Negotiation for Traffic Reduction

(4) **Patent Number: 2021100001**
Date of filing: Jan 1, 2021
Date of grant: Mar 3, 2021
Title of invention: Scientific model for predicting change in rainfall using climatic raster data mining

(5) **Patent Number: 2020104364**
Date of filing: Dec 29, 2020
Date of grant: Mar 3, 2021
Title of invention: Improved IoT-based control system combined with an advanced control management server-based system

(6) **Patent Number: 2020104352**
Date of filing: Dec 27, 2020
Date of grant: Mar 3, 2021
Title of invention: Future summer temperature average prediction from air temperature rate data

Copyrights (Registered) -

(1) Diary No. – 5758/2021-CO/L
Date of filing : Mar 04, 2021
Title : Discovered facts related to strategic market management- A linear dependency, exponential growth, moving average, neuro-associator and compound Poisson process perspective

(2) Diary No. – 5757/2021-CO/L
Date of filing : Mar 04, 2021
Title : Strategic market based business gain forecasting in the light of statistical approaches ,machine learning classifiers, stochastic processes, recurrence relation, Abelian group and expectation

(3) Diary No. – 5756/2021-CO/L
Date of filing : Mar 04, 2021
Title : Invention of Putralone , a novel 10α-hydroxy-25-nor D: A friedo-oleanane triterpenoid from *Putranjiva roxburghii* (Wall)

(4) Diary No. – 5755/2021-CO/L
Date of filing : Mar 04, 2021
Title : Saracoside, A new lignan glycoside isolated from *S.indica* : Potential inhibitor of DNA topoisomerase IB

(5) Diary No. – 5753/2021-CO/L
Date of filing : Mar 04, 2021
Title : Potential DNA topoisomerase inhibitory activity of 2-(3,4-dihydroxyphenyl)ethyl-O-α-L-rhamno-pyranosyl(1→3)-4-O-caffeoyl-β-D-glucopyranoside

(6) Diary No. – 6289/2021-CO/L
Date of filing : March 11,2021
Title : A proposed model to decide on colour preferences, behavior and psychology from online social profiles

(7) Diary No. : 6515/2021-CO/L
Date of filing : March 12,2021
Title: Machine Learning Classifier and Neural Modelling perspective of Echo Cardiography for Thalassemia Patients

(8) Diary No. : 6518/2021-CO/L
Date of filing : March 12,2021
Title: Discovered facts related to the distribution of Thalassemia medical records

(9) Diary No. : 6464/2021-CO/L
Date of filing : March 12,2021
Title: Enhancing video forensics system using soft computing

10) PH.D SUPERVISION:

2014

1. **Ajay Prasad** awarded Ph.D. Degree on 26th September 2014 by Sir Padampat Singhania University. The title of the thesis is "Access Management Using Centralized Access Policies and Monitoring in Cloud Computing".

2. **Amrit Ghosh** awarded Ph.D. Degree on 06th October 2014 by Sir Padampat Singhania University. The title of the thesis is "Optimization of security issues vis-à-vis Mobile IP".

3. **Nilima Fulmare** awarded Ph.D. Degree on 06th October 2014 by Sir Padampat Singhania University. The title of the thesis is "Modeling of human emotion using an Event-B approach and Artificial Intelligence perspective".

4. **Sandeep Chaurasia** awarded Ph.D. Degree on 27th October 2014 by Sir Padampat Singhania University. The title of the thesis is "Early detection of breast cancer through Supervised Machine Learning".

2015

5. **Prateek Srivastava** awarded Ph.D. Degree on 25th March 2015 by Sir Padampat Singhania University. The title of the thesis is "Modelling fault resistant moving sequencer based atomic broadcast in distributed systems".

6. **Arjun Singh** awarded Ph.D. Degree on 27th March 2015 by Suresh Gyan Vihar University. The title of the thesis is "An Experimental Study towards Realizing Ant Based Resource Discovery and Mobility Aware Trust Management for Mobile Grid Systems".

2016

7. **Jinesh Kumar Singh** awarded Ph.D. Degree on 21st December 2016 by Sir Padampat Singhania University.. The title of the thesis is "Optimization of energy issues of routing protocol in mobile ad hoc networks".

2017

8. **Harish Patidar** awarded Ph.D. Degree on 24th October 2017 by Sir Padampat Singhania University.. The title of the thesis is "An approach towards designing parallel graph coloring algorithm with optimum time complexity".

2018

9. **Pradeep Laxkar** awarded Ph.D. Degree on 25th June 2018 by Sir Padampat Singhania University.. The title of the thesis is "Network Intrusion Detection System using Spark's Scalable Machine Learning Library".

2019

10. **Manish Tiwari** awarded PhD degree on 29th June 2019 by Mewar University. The Title of the thesis is "An approach towards realizing liver cancer diagnosis using machine learning techniques"

[Jointly with Dr Jyoti S. Raghav, Assoc. Professor & Head, Department of Mathematics, Mewar University]

2021

11. **Kuntal Barua** , submitted PhD thesis on 29th January 2021 by Sangam University, The title of the thesis is "Designing a critical thinking design model for assessing quality of Higher Education Institutions (HEIs) in India". [Jointly with Prof K P Yadav, Vice Chancellor, Sangam University, Bhilwara]

11) CERTIFICATIONS (COURSERA)

A. Course- **Philosophy and the Sciences – Introduction to the Philosophy of Physical Sciences**
Date of Completion: April 11, 2020
Institute: The University of Edinburgh

B. Course- **Mindware : Critical Thinking for the Information Age**
Date of Completion: April 11, 2020
Institute: University of Michigan

C. Course - **Philosophy and the Sciences – Introduction to the Philosophy of Cognitive Sciences**
Date of Completion: April 13, 2020
Institute: The University of Edinburgh

D. Course- **Drug Discovery**
Date of Completion: April 14, 2020
Institute: University of California, San Diego

E. Course- **Introduction to Mathematical Thinking**
Date of Completion: April 14, 2020
Institute: Stanford University

F. Course- **Introduction to Psychology**
Date of Completion: April 15, 2020
Institute: Yale University

G. Course- **Emotions : A Philosophical Introduction**
Date of Completion: April 20, 2020
Institute: Universitat Autonoma de Barcelona

H. Course - **Meditation: A way to achieve your goals in your life**
Date of Completion : April 28,2020
Institute : Korea Advanced Institute of Science and Technology(KAIST)

12) ACADEMIC DEGREES :

A. HIGHER DOCTORATE (PURSUING) :

D.Sc. (Management) degree from Sambalpur University (State Govt. University , NAAC-A accredited),Odisha

Title :- **Discovered facts related to strategic market management : An Artificial Neural Network and Stochastic Process perspective**

Supervisor: **Prof. Biswajit Satpathy**, Department of Business Administration, Sambalpur University

Registration Number and Date : Reg. No. **04 / 2020 / Post-Doctoral** dated **November 05, 2020**

B. DOCTORATE :

Topic- "Approach towards realizing time variant key in cryptography" PhD Supervisors- Prof.(Dr.)Atal Chaudhuri and Prof.(Dr.)C.T.Bhunia					
Degree	University	Registration	Thesis Submission	Viva-Voce	Award
PhD(Engg)	Jadavpur University (State Govt. University , NAAC-A accredited)	19.04.2006.	27.10.2008.	10.09.2009.	22.09.2009.

C. POST GRADUATE EDUCATION :

Degree	University	Branch	Class /DGPA	Year of passing
M.E.	Maulana Abul Kalam Azad University of Technology (State Govt. University) [Formerly West Bengal University of Technology]	Computer Science and Engineering	1ST (7.54 /10)	2005

D. GRADUATE EDUCATION :

Degree	Institute & University	Branch	Class / Percentage	Year of passing
B.Tech	B.P.Poddar Institute of Management & Technology Degree awarded by University of Kalyani (State Govt. University , NAAC-A accredited)	Computer Engineering	1ST (83.82%) (Institute Rank Holder)	2003

E. BOARD CERTIFICATION :

Examination	School / Board	Branch	Class / Percentage	Year of passing
Higher Secondary	Tirthapati Institution *West Bengal Council of Higher Secondary Education*	Science	1ST (73.6%)	1999

Examination	School / Board	Branch	Class / Percentage	Year of passing
Secondary	South Point High School *West Bengal Board of Secondary Education*	Science	1ST (72.6%)	1997

13) HONORARY DEGREE :

Degree – **Doctor of Science D.Sc. h.c.(Honoris Causa)**

Date – **March 15, 2021** Certificate No - **1532021DSchc-NSL**

Honored by – School of Advanced Medical Sciences and Technologies , Shiraz University of Medical Sciences, Shiraz, lran

14) DETAILS OF TEACHING EXPERIENCE :

Institution	**Position**	**Duration**
Techno India NJR Institute of Technology, Udaipur, Rajasthan, India	**PROVOST** and **Institute Endowed Distinguished Senior Chair Professor**, Department of Computer Science and Engineering	October 01, 2020 – till date
Techno India NJR Institute of Technology, Udaipur, Rajasthan, India	**Executive Dean** (Research and International Linkage) and **Institute Distinguished Senior Chair Professor**, Department of Computer Science and Engineering	November 14, 2019 – September 30, 2020
ITM Universe, Vadodara, Gujarat, India	**Dean(R&D)** and **Senior Professor** , Department of Computer Science and Engineering	July 2018 – November 13, 2019
Sir Padampat Singhania University, Udaipur	**Professor** and Head, Department of Computer Science and Engineering	September 2015 – June 2018
Sir Padampat Singhania University, Udaipur	**Associate Professor** and Head , Department of Computer Science and Engineering	July 2011 – August 2015
Sir Padampat Singhania University, Udaipur	**Associate Professor**, Department of Computer Science and Engineering	February 2010 – June 2011
Bengal Institute of Technology and Management, West Bengal	**Associate Professor**, Department of Computer Science and Engineering	December 2008 – January 2010
Oriental Institute of Science & Technology, Bhopal	**Associate Professor**, Department of Computer Science and Engineering	September 2008 – November 2008

Dr.B.C.Roy Engineering College, West Bengal	**Assistant Professor**, Department of Computer Science and Engineering	July 2007 – August 2008
Dr.B.C.Roy Engineering College, West Bengal	**Senior Lecturer**, Department of Computer Science and Engineering	May 2006 – June 2007
Heritage Institute of Technology, West Bengal	**Lecturer**, Department of Computer Science and Engineering	August 2005 – April 2006

15) SELECTED KEYNOTE / INVITED TALKS :

(i) Invited lecture on "Automatic Variable Key (AVK) – A new trend in Information security" at Summer School Summit, Department of Physics, Banaras Hindu University, Varanasi from 16th -19th April 2008.

(ii) Invited Talk on "Human Thought Process Quantification" at Indian Institute of Technology ,Indore on 11th April 2012
(iii) Invited online lecture on "Human Dream Analysis" at the research lab of Prof J A Ware, Faculty of Computing, University of South Wales, UK on October 23, 2019

(iv) Delivered Keynote Speaker DoSIER 2020, Visva-Bharati University (Central Univ), Aug 12-13, 2020 http://dosier.drsiddhartha.net/keynotespeakers.html

(v) Delivered expert research oriented lecture on "Research Directions of Computational Techniques" as a part of Research Seminar Series at Deakin University Australia on 28th August 2020

16) PROFESSIONAL MEMBERSHIP :

Honorary Fellow - Iranian Neuroscience Society in 2021

Fellow - The Institution of Engineers (India) in 2021

Nikhil Bharat Shiksha Parisad in 2021

Royal Society of Arts (RSA) in 2020

Institution of Engineering and Technology (IET), UK in 2020

International Association of Educators and Researchers, London UK in 2019

The Association of Engineers, India in 2018

International Society for Research and Development (ISRD) in 2018

The Institution of Electronics and Telecommunication Engineers (IETE) in 2016

The Council of Engineering & Technology, CET(I) in 2016

17) PUBLICATIONS-

Selected list only

A) SCI / SCIE

1. Tuan Pham Van, Dung Vo Tien, Zbigniew Leonowicz , Michal Jasiński , Tomasz Sikorski , **Prasun Chakrabarti** "Online Rotor And Stator Resistance Estimation Based On Artificial Neural Network Applied In Sensorless Induction Motor Drive", ***Energies*** , 13, pp. 4946-61, 2020 (http://doi.org/10.3390/en13184946)
[**SCIE / Scopus Q2 - IF : 2.702**]

2. Prince, Ananda Shankar Hati , **Prasun Chakrabarti** , Jemal Hussein , Ng Wee Keong **,** "Development of Energy Efficient Drive for Ventilation System using Recurrent Neural Network" , ***Neural Computing and Applications*** 2021 (https://doi.org/10.1007/s00521-020-05615-x) **[SCIE / Scopus Q1 - IF 4.774]**

3. Papiya Debnath, Pankaj Chittora, Tulika Chakrabarti, **Prasun Chakrabarti**, Zbigniew Leonowicz, Michal Jasinski , Radomir Gono, Elżbieta Jasińska**,** "Analysis of earthquake prediction in India using supervised machine learning classifiers", ***Sustainibility*** , **13**(2) : 971 , 2021 (https://doi.org/10.3390/su13020971)
[**SCIE / Scopus Q2 – IF 2.576**]

4. Pankaj Chittora, Sandeep Chaurasia, **Prasun Chakrabarti**, Gaurav Kumawat, Tulika Chakrabarti, Zbigniew Leonowiz, Michael Jaisinski, Lukasz Jaisinski, Radomir Gono, Elzbieta Jaisinski, Vadim Bolshev, "Prediction of Chronic Kidney Disease - A Machine Learning perspective", ***IEEE Access***, **9** : 17312-17334,2021
(http://doi.org/10.1109/ACCESS.2021.3053763) **[SCIE / Scopus Q1 – IF 3.745]**

5. Imayanmosha Wahlang, Arnab Kumar Maji, Goutam Saha, **Prasun Chakrabarti**, Michał Jasiński , Zbigniew Leonowicz, Elzbieta Jasinska , "Deep Learning methods for classification of certain abnormalities in Echocardiography", ***Electronics*** , **10** : 495., 2021 https://doi.org/10.3390/electronics10040495
[SCIE / Scopus Q2 – IF 2.421]

6. Rajkumar Soni , **Prasun Chakrabarti** , Zbigniew Leonowicz ,Michal Jasinski , Krzysztof Wieczorek , Vadim Bolshev, "Estimation of Life Cycle of Distribution Transformer in Context to Furan Content Formation , Pollution Index and Dielectric Strength", ***IEEE Access***, 2021 (https//doi.org/10.1109/ACCESS.2021.3063551) **[SCIE / Scopus Q1 – IF 3.745]**

7. Yogendra Singh Solanki, **Prasun Chakrabarti**, Michal Jasinski , Zbigniew Leonowicz, Vadim Bolshev , Alexander Vinogradov, Elzbieta Jasinska, Radomir Gono, Mohammad Nami , "A Hybrid Supervised Machine Learning Classifier System for Breast Cancer Prognosis Using Feature Selection and Data Imbalance Handling Approaches", ***Electronics*** ,2021 *accepted and in press* **[SCIE / Scopus Q2 – IF 2.421]**

B) Scopus indexed / Web of Science / Springer / Elsevier (ScienceDirect)

1. **Chakrabarti P**., Bhuyan B., Chaudhuri A. and Bhunia C.T., "A novel approach towards realizing optimum data transfer and Automatic Variable Key(AVK)" , *International Journal of Computer Science and Network Security*, **8**(5), pp.241-250, 2008 **[Thomson Reuters / Web of Science/ ESCI Indexed]**

2. **Chakrabarti P**. , Goswami P.S., "Approach towards realizing resource mining and secured information transfer", *International Journal of Computer Science and Network Security*, **8**(7), pp.345-350, 2008
[Thomson Reuters / Web of Science/ ESCI Indexed]

3. **Chakrabarti P**., Choudhury A., Naik N. , Bhunia C.T., "Key generation in the light of mining and fuzzy rule", *International Journal of Computer Science and Network Security*, **8**(9), pp.332-337, 2008
[Thomson Reuters / Web of Science/ ESCI Indexed]

4. **Chakrabarti P**., De S.K., Sikdar S.C., "Statistical Quantification of Gain Analysis in Strategic Management" , *International Journal of Computer Science and Network Security*,**9**(11), pp.315-318, 2009
[Thomson Reuters / Web of Science/ ESCI Indexed]

5. **Chakrabarti P**. , Basu J.K. , Kim T.H., "Business Planning in the light of Neuro-fuzzy and Predictive Forecasting", *Communications in Computer and Information Science* , **123**, pp.283-290, 2010
[Springer –Scopus indexed]

6. Prasad A. , **Chakrabarti P**., "Extending Access Management to maintain audit logs in cloud computing", *International Journal of Advanced Computer Science and Applications* ,**5**(3),pp.144-147, 2014
[Thomson Reuters / Web of Science/ ESCI Indexed]

7. Sharma A.K., Panwar A., **Chakrabarti P**. ,Viswakarma S., "Categorization of ICMR Using Feature Extraction Strategy and MIR with Ensemble Learning", *Procedia Computer Science*, **57**,pp.686-694,2015
[Elsevier , Scopus indexed]

8. Patidar H. , **Chakrabarti P**., "A Novel Edge Cover based Graph Coloring Algorithm", *International Journal of Advanced Computer Science and Applications* , **8**(5),pp.279-286,2017
[Scopus / Thomson Reuters / Web of Science/ ESCI Indexed]

9. Patidar H., **Chakrabarti P**., Ghosh A., "Parallel Computing Aspects in Improved Edge Cover based Graph Coloring Algorithm", *Indian Journal of Science and Technology* ,**10**(25),pp.1-9,2017 **[Web of Science]**

10. Tiwari M., **Chakrabarti P**, Chakrabarti T., "Novel work of diagnosis in liver cancer using Tree classifier on liver cancer dataset (BUPA liver disorder)" , *Communications in Computer and Information Science* , **837**, pp.155-160, 2018 **[Springer –Scopus indexed]**

11. Verma K., Srivastava P. , **Chakrabarti P**., "Exploring structure oriented feature tag weighting algorithm for web documents identification", *Communications in Computer and Information Science* ,**837**, pp.169-180, 2018
[Springer –Scopus indexed]

12. Tiwari M., **Chakrabarti P** , Chakrabarti T., "Performance analysis and error evaluation towards the liver cancer diagnosis using lazy classifiers for ILPD", *Communications in Computer and Information Science* , **837**, pp.161-168,2018 **[Springer –Scopus indexed]**

13. Patidar H. , **Chakrabarti P**., "A Tree-based Graphs Coloring Algorithm Using Independent Set", *Advances in Intelligent Systems and Computing*, **714**, pp. 537-546, 2019 **[Springer –Scopus indexed]**

14. **Chakrabarti P**., Satpathy B., Bane S., Chakrabarti T., Chaudhuri N.S. , Siano P., "Business forecasting in the light of statistical approaches and machine learning classifiers", *Communications in Computer and Information Science* , **1045**, pp.13-21, 2019 **[Springer –Scopus indexed]**

15. Shah K., Laxkar P. , **Chakrabarti P**., "A hypothesis on ideal Artificial Intelligence and associated wrong implications", *Advances in Intelligent Systems and Computing*, **989**, pp.283-294, 2020
[Springer –Scopus indexed]

16. Kothi N., Laxkar P. Jain A. , **Chakrabarti P**., "Ledger based sorting algorithm", *Advances in Intelligent Systems and Computing*, **989**, pp. 37-46, 2020 **[Springer –Scopus indexed]**

17. **Chakrabarti P.** ,Chakrabarti T., Sharma M . , Atre D, Pai K.B." Quantification of Thought Analysis of

Alcohol-addicted persons and memory loss of patients suffering from stage-4 liver cancer", *Advances in Intelligent Systems and Computing*, **1053,** pp.1099-1105, 2020 **[Springer –Scopus indexed]**

18. **Chakrabarti P.**, Bane S.,Satpathy B.,Goh M, Datta B N , Chakrabarti T., "Compound Poisson Process and its Applications in Business", *Lecture Notes in Electrical Engineering*, **601,** pp.678-685,2020 **[Springer –Scopus indexed]**

19. **Chakrabarti P**., Chakrabarti T., Satpathy B., SenGupta I . Ware J A., "Analysis of strategic market management in the light of stochastic processes, recurrence relation, Abelian group and expectation", *Advances in Artificial Intelligence and Data Engineering*, **1133** , pp.701-710, 2020 **[Springer –Scopus indexed]**

20. Priyadarshi N., Bhoi A.K., Sharma A.K., Mallick P.K. , **Chakrabarti P**., "An efficient fuzzy logic control-based soft computing technique for grid-tied photovoltaic system", *Advances in Intelligent Systems and Computing*, **1040**,pp.131-140,2020 **[Springer –Scopus indexed]**

21. Priyadarshi N., Bhoi A.K., Sahana S.K., Mallick P.K. , **Chakrabarti P**., Performance enhancement using novel soft computing AFLC approach for PV power system", *Advances in Intelligent Systems and Computing*, **1040**, pp.439-448,2020 **[Springer –Scopus indexed]**

22. Magare A., Lamin M., **Chakrabarti P**., "Inherent Mapping Analysis of Agile Development Methodology through Design Thinking", *Lecture Notes on Data Engineering and Communications Engineering*, **52**, pp.527-534,2020 **[Springer –Scopus indexed]**

23. Ali Y., Shreemali J., Chakrabarti T., **Chakrabarti P**. , Poddar S., "Prediction of Reaction Parameters on Reaction Kinetics for Treatment of Industrial Wastewater: A Machine Learning Perspective", Materials Today :Proceedings,2020 (https://doi.org/10.1016/j.matpr.2020.09.702) **[Elsevier , Scopus indexed]**

24. **Chakrabarti P**., Satpathy B., Bane S., Chakrabarti T., Poddar S., "Business gain forecasting in Materials Industry - A linear dependency, exponential growth, moving average, neuro-associator and compound Poisson process perspective", *Materials Today: Proceedings*, 2020 (https://doi.org/10.1016/j.matpr.2020.11.559 **)** **[Elsevier , Scopus indexed]**

25. Mehta N., Pipalia V., Shukla D., **Chakrabarti P.** , Poddar S., "FEA of Modified Fin for Two Stage Air Compressor", Materials Today :Proceedings,2021 (https://doi.org/10.1016/j.matpr.2020.09.651) **[Elsevier , Scopus indexed]**

26. Mehta N., Patel A., Chintan C., Marathe H. , Macwan S., **Chakrabarti P**., "Comparison of Magnesia Ramming Mass and Zirconia for Refractory Wall of Induction Furnace", Materials Today :Proceedings,2021 (https://doi.org/10.1016/j.matpr.2020.09.793) **[Elsevier , Scopus indexed]**

27. Malviya L, Chittora P., **Chakrabarti P**., Vyas R S , Poddar S. , "Backorder Prediction in the Supply Chain using Machine Learning", *Materials Today: Proceedings*, 2021 (https://doi.org/10.1016/j.matpr.2020.11.558) **[Elsevier , Scopus indexed]**

28. Ameta K., Soni R , **Chakrabarti P**., Hung B, Poddar S., "Piezo Based Electric Bike", *Materials Today: Proceedings*,2021 (https://doi.org/10.1016/j.matpr.2020.11.799) **[Elsevier , Scopus indexed]**

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