FACULTY PROFILE

Name of the Faculty Member:	**Dr.N.B.PRAKASH M.E., Ph.D.,**	
Name of the Department:	**ELECTRICAL AND ELECTRONICS ENGINEERING**	
Present Designation:	**PROFESSOR**	
Regular / Visiting: **REGULAR**	Gender:	**MALE**
Age & Date of Birth:	**44, 04.06.1979**	
Official Address:	**Dr.N.B.PRAKASH M.E., Ph.D.,** PROFESSOR DEPARTMENT OF EEE NATIONAL ENGINEERING COLLEGE K.R.NAGAR, KOVILPATTI - 628503 TAMILNADU	
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EDUCATIONAL QUALIFICATION (STARTING *FROM THE HIGHEST DEGREE*):

Degree	Specialization / Regular / P.T	Name Of The Institution	University Board	Class	% of Marks	Month & Year of Passing
PH.D	Faculty of ICE Image Processing (Part Time)	Mepco Schlenk Engg. College, Sivakasi	Anna University, Chennai	Completed Viva voce and received Degree Certificate on 22.12.2018		
M.E	Applied Electronics (Regular)	Mohamed Sathak Engineering College, Kilakarai	Madurai Kamaraj University, Madurai	1st Class Distinction	81.07%	April 2002
B.E	Electrical and Electronics (Regular)	K.L.N.College Of Engineering, Madurai		1st Class Distinction	78.70%	April 2000
H.S.C	State Board	Rose Mary Matriculation H.Sc.School, Palayamkottai	State Board	1st Class Distinction	83.08%	April 1996
S.S.L.C	Matriculation		Matriculation	1st Class Distinction	75.82%	April 1994

EMPLOYMENT HISTORY:

Designation	From Date	To Date	Experience		
			Years	Months	Days
Professor	22.07.2022	Till Date	-	10	15
As Associate Professor	10.07.2013	21.07.2022	9 Y	-	11
As Senior Lecturer & Asst. Prof. (Sr.G)	01.06.2008	09.07.2013	5 Y	01 M	08
As Lecturer	05.06.2002	31.05.2008	5 Y	11M	26
Total Experience			19 Y	22 M	60
Nett Experience			21Y		

INTERNATIONAL JOURNAL PUBLICATIONS:

1. M. Murugappan, Ali K. Bourisly, N. B. Prakash, M. G. Sumithra & U. Rajendra Acharya Automated semantic lung segmentation in chest CT images using deep

neural network, Neural Computing and Applications, 2023:35:15343-15364. https://link.springer.com/article/10.1007/s00521-023-08407-1

2. Francis H. Shajin, B. Aruna Devi, N. B. Prakash, G. R. Sreekanth & P. Rajesh Sailfish optimizer with Levy flight, chaotic and opposition-based multi-level thresholding for medical image segmentation, Sofy Computing, 2023. https://link.springer.com/article/10.1007/s00500-023-07891-w

3. **N.B.Prakash**, A.Geetha. Classification of Glaucoma in Retinal Images Using EfficientnetB4 Deep Learning Model. *Computer Systems Science & Engineering*. 2022:43(3):1041-1055. *(SCI Web of Science and Scopus Indexed with IF:4.397)*

4. M Murugappan, **NB Prakash**, R Jeya, A Mohanarathinam, GR Hemalakshmi. A Novel Attention Based Few-shot Classification Framework for Diabetic Retinopathy Detection and Grading. *Measurement*. 2022:200:111485. https://doi.org/10.1016/j.measurement.2022.111485 *(SCI Web of Science and Scopus Indexed with IF:5.131)*

5. A Mohanarathinam, CS Manikandababu, **NB Prakash**, GR Hemalakshmi, Kamalraj Subramaniam. Diabetic Retinopathy Detection and Classification using Hybrid Multiclass SVM classifier and Deeplearning techniques. *Mathematical Statistician and Engineering Applications*. 2022:71(3):891-903. *(Scopus Indexed Journal)*

6. M.Peratchiammal, **N.B.Prakash**, M.Murugappan, B.Vigneshwaran & M.Bakrutheen. Statistical Reliability Analysis on Flashover Characteristics of Ceramic Disc Insulator and Polymeric Insulators. *Arab J Sci Eng* (2022). https://doi.org/10.1007/s13369-022-06929-9. *(SCI Web of Science and Scopus Indexed with IF:2.807)*

7. Rajalakshmi M, **Prakash N.B**. (2021) Prediction and analysis of transformer oil using fuzzy logic algorithm. In: Palani, I.A., Sathiya, P., Palanisamy, D. (eds) *Recent Advances in Materials and Modern Manufacturing. Lecture Notes in Mechanical Engineering. Springer, Singapore*. https://doi.org/10.1007/978-981-19-0244-4_32

8. R. Bhaskaran, R. Karuppathal, **N.B.Prakash**, R. Rajkumar, Satellite Image Analysis Using Contextual Data Retrieval Technique for Environmental Monitoring Condition. *Journal of Environmental Protection and Ecology*. 2022: 23(1):301-313. *(SCI Web of Science and Scopus Indexed with IF:0.692)*

9. Ganapathia Pillai Kannayeram, Rathinam Muniraj, **Nattanmai Balasubramanian Prakash**, Thankaswamy Jarin, Sivadhas Rosejanet Boselin Prabhu. An elitist control scheme for power flow management in smart grid system: a hybrid optimization scheme. *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*. 1-22, 2021. *(SCI Web of Science and Scopus Indexed with IF:3.447)*

10. N Priya, NB Rajesh, D Sivanandakumar, **NB Prakash**. Optimized Adaptive Neuro Fuzzy based Controller for lifetime maximization in power electronics stage for brushless DC drives. *Materials Today: Proceedings*. 2022. *(Scopus Indexed Journal)*

11. **NB Prakash**, M Murugappan, GR Hemalakshmi, M Jayalakshmi, Mufti Mahmud. Deep transfer learning for COVID-19 detection and infection localization with superpixel based segmentation. *Sustainable Cities and Society*. Vol. 75, pp. 103252, 2021. *(SCI Web of Science and Scopus Indexed with IF:7.587)*

12. R.Monika, J.Nithyasree, V.Valarmathi, G.R.Hemalakshmi, **N.B.Prakash**. House Price Forecasting Using Machine Learning Methods. *Turkish Journal of Computer and Mathematics Education* 2021:12(11):3624-3632*. (Scopus Indexed Journal)*

13. J.Jayanthi, M.Kavitha, T.Jayasankar, A.Sagai Francis Britto, **N.B.Prakash**, Mohamed Yacin Sikkandar, C.Bharathiraja. Segmentation of Brain Tumor Magnetic Resonance Images Using a Teaching-Learning Optimization Algorithm. *Computers, Materials & Continua. 2021:68(3)4191-4203.* doi:10.32604/cmc.2021.012252 *(SCI Web of Science Indexed & Anna University, Annexure Journal IF: 4.89)*

14. J.Jean Justus, T.Jayasankar, G.Sheryl Oliver, C.Bharatiraja, **N.B.Prakash**. Denaturalized cluster organization based improving energy constraints using relay link chain routing protocol in wireless sensor network. *Journal of Ambient Intelligence and Human Computing (2021).* https://doi.org/10.1007/s12652-021-03052-9 *(SCI Web of Science Indexed Journal IF: 4.594).*

15. D.Venugopal, T.Jayasankar, N.Krishnaraj, S.Venkatraman, **N.B.Prakash,** G.R.Hemalakshmi. Multifactorial Disease Detection Using Regressive Multi-Array Deep Neural Classifier. *Intelligent Automation and Soft Computing*. 2021:28(1):27-38 *(SCI Web of Science Indexed & Anna University, Annexure Journal IF:1.276)*

16. Mohamed Yacin Sikkandar, Natteri M Sudharsan, Santhnaraj Balakrishnan, **N.B.Prakash**, G.R.Hemalakshmi, A.Mohanarathinam. Accurate Hotspot Segmentation in Thermal Breast Images with Gaussian Mixture Model Superpixels. *Journal of Medical Imaging and Health Informatics*. 2021:11(5):1327-1333. *(SCI Web of Science Indexed & Anna University, Annexure Journal IF: 0.659).*

17. A.Mohanarathinam, **N.B.Prakash**, G.R.Hemalakshmi, Kamalraj Subramaniam, G.K.D.Prasanna Venkatesan. An analysis on image encryption for secured transmission of biomedical applications. *Information Technology in Industry*. 2021:9(1):1-11. *(Scopus Indexed Journal)*

18. Krishnan Muthumayil, Thangaiyan Jayasankar, Nagappan Krishnaraj, Mohamed Yacin Sikkandar, **Prakash Nattanmai Balasubramanian** and Chokkalingam

Bharatiraja. Maximizing Throughput in Wireless Multimedia Sensor Network using Soft Computing Techniques. *Intelligent Automation and Soft Computing*. 2021:27(3):771-784 *(SCI Web of Science Indexed & Anna University, Annexure Journal IF:1.276)*

19. J. Jayanthi, T. Jayasankar, N. Krishnaraj, **N.B.Prakash**, A. Sagai Francis Britto, and K. Vinoth Kumar. An Intelligent Particle Swarm Optimization with Convolutional Neural Network for Diabetic Retinopathy Classification Model. *Journal of Medical Imaging and Health Informatics*. 2020:10(10):2308-2315. *(SCI Web of Science Indexed & Anna University, Annexure Journal IF:0.659)* https://doi.org/10.1166/jmihi.2021.3362.

20. A Sheryl Oliver, Kavithaa Ganesan, SA Yuvaraj, T Jayasankar, Mohamed Yacin Sikkandar, **NB Prakash**. Accurate prediction of heart disease based on bio system using regressive learning based neural network classifier. *Journal of Ambient Intelligence and Human Computing (2020).* https://doi.org/10.1007/s12652-020-02786-2 *(SCI Web of Science Indexed & Anna University, Annexure List Journal IF:4.594)* .

21. Sabarunisha Begum S, Mohamed Yacin Sikkandar, **NB Prakash**, Mohsen Bakouri, Ahmed Bakhit Alanazi, Nasser Mohammed Saad Alkhatlan. Investigation of flow dynamic characteristics of inverse fluidized bed biofilm reactor for degrading pharmaceutical based biomedical wastewater. *Environmental Engineering Research (2021).* 2021; 26(6): 200182. https://doi.org/10.4491/eer.2020.182 *(SCI Web of Science Indexed & Anna University, Annexure List Journal IF:1.438)*

22. G.R.Hemalakshmi, D.Santhi, V.R.S.Mani, A.Geetha and **N.B.Prakash.** Classification of retinal fundus image using MS-DRLBP features and CNN-RBF classifier. *Journal of Ambient Intelligence and Human Computing (2020).* https://doi.org/10.1007/s12652-020-02647-y *(SCI Web of Science Indexed & Anna University, Annexure List Journal IF:4.594)*

23. M.Santhosh Rani, K. Vinothkumar, Raja Krishnamoorthy, T.Jayasankar, **N.B.Prakash**, C.Bharatiraja. Design of low power VCO using FinFET technology for biomedical applications https: *Materials Today Proceedings.* https://doi.org/10.1016/j.matpr.2020.09.736 *(Scopus Indexed Elsevier Journal)*

24. Raja Krishnamoorthy, D.Kodandapani, Gowrishankar Kasilingam, **N.B.Prakash**, C.Bharatiraja, T.Jayasankar. Design of low-power coupled chopper instrumentation amplifier using pin pong ripple reduction for biomedical applications. *Materials Today Proceedings.* https://doi.org/10.1016/j.matpr.2020.09.725 *(Scopus Indexed Elsevier Journal)*

25. Raja Krishnamoorthy, T.Jayasankar, M.Sujatha, **N.B.Prakash**, C.Bharatiraja. Design of high efficiency PLL independent LC oscillator for biomedical transceivers. *Materials Today Proceedings. https://doi.org/10.1016/j.matpr.2020.09.230 (Scopus Indexed Elsevier Journal)*

26. S Bama, R Velumani, **NB Prakash**, GR Hemalakshmi, A Mohanarathinam. Automatic segmentation of melanoma using superpixel region growing technique. *Materials Today Proceedings.* https://doi.org/10.1016/j.matpr.2020.08.618 *(Scopus Indexed Elsevier Journal)*

27. M Anuradha, T Jayasankar, **NB Prakash**, Mohamed Yacin Sikkandar, GR Hemalakshmi, C Bharatiraja, A Sagai Francis Britto. IoT enabled Cancer Prediction System to Enhance the Authentication and Security using Cloud Computing. *Microprocessors and Microsystems. (SCI Web of Science Indexed & Anna University, Journal IF:1.045)* https://doi.org/10.1016/j.micpro.2020.103301

28. GR Hemalakshmi, D Santhi, VRS Mani, A Geetha, **NB Prakash**. Deep Residual Network Based on Image Priors for Single Image Super Resolution in FFA Images. *Computer Modeling in Engineering and Sciences.* 2020:125(1):125-143. *(SCI Web of Science Indexed & Anna University, Annexure List Journal IF:0.805)*

29. Mohamed Yacin Sikkandar, Bader Awadh Alrasheadi, **NB Prakash**, GR Hemalakshmi, A Mohanarathinam, K Shankar. Deep learning based an automated skin lesion segmentation and intelligent classification model. *Journal of Ambient Intelligence and Human Computing (2020).* https://doi.org/10.1007/s12652-020-02537-3 *(SCI Web of Science Indexed & Anna University, Annexure List Journal IF:4.594)*

30. Mohamed Yacin Sikkandar, S Sabarunisha Begum, NM Sudharsan, **NB Prakash**. Study of flow dynamic behavior of electrochemical reactor for treating liquid biomedical wastewater. *Desalination and Water Treatment.* 2020:197:67-75. https://doi.org/10.5004/dwt.2020.25971 *(SCI Web of Science Indexed & Anna University, Annexure List Journal IF:1.320)*

31. G.Kannayeram, **N.B.Prakash**, R.Muniraj. Intelligent hybrid controller for power flow management of PV/battery/FC/SC system in smart grid applications. *International journal of hydrogen energy* 2020: 45(41):21779-21795. *(SCI Web of Science Indexed & Anna University, Annexure List Journal IF:4939)* https://doi.org/10.1016/j.ijhydene.2020.05.149

32. Sikkandar M.Y, Jayasankar T, Kavitha K.R, **Prakash N.B**, Natteri.M.Sudharsan, Hemalakshmi G.R. Three factor nonnegative matrix factorization based HE stain unmixing in histopathological images. *Journal of Ambient Intelligence and Human*

Computing (2020). https://doi.org/10.1007/s12652-020-02265-8 *(SCI Web of Science Indexed & Anna University, Annexure List Journal IF:4.594)*

33. M.Karthikeyan, K.Sharmilee, P.M.Balasubramaniam, **N.B.Prakash,** M.Rajesh Babu, V.Subramaniyaswamy, S.Sudhakar. Design and Implementation of ANN-based SAPF Approach for Current Harmonics Mitigation in Industrial Power Systems. *Microprocessor and Microsystems.* 2020:77(103194):1-11. https://doi.org/10.1016/j.micpro.2020.103194. *(SCI Web of Science Indexed & Anna University, Annexure List Journal IF:1.045)*

34. E.Punarselvam, T.Kalavathi Devi, A.Sagai Francis Britto, **N.B.Prakash**, and P.Suresh. Segmentation Analysis Techniques and Identifying Stress Ratio of Human Lumbar Spine Using ANSYS. *Journal of Medical Imaging and Health Informatics*. 2020:10(10):2308-2315. *(SCI Web of Science Indexed & Anna University, Annexure List Journal IF:0.659)* https://doi.org/10.1166/jmihi.2020.3170

35. K.Vijay Anand, K.S.Giridharan, P.Vijayarajan, T.Senthilkumar, **N.B.Prakash**. Power Transformer Fault Detection and Classification Using SVM Classifier. *International Journal of Advanced Science and Technology.* 2020:29(5):6654–6660. *(Scopus Indexed)*

36. E.Punarselvam, Mohamed Yacin Sikkandar, Mohsen Bakouri, **N.B.Prakash**, T.Jayasankar & S.Sudhakar. "Different Loading Condition and Angle Measurement of Human Lumbar Spine MRI Images Using ANSYS. *Journal of Ambient Intelligence and Humanized Computing*. 2020: https://doi.org/10.1007/s12652-020-01939-7 *(SCI Web of Science Indexed & Anna University, Annexure List Journal IF:4.594)*

37. Mohanarathinam, S.Kamalraj, **Prakash NB**, Hemalakshmi GR, G.K.D.Prasanna Venkatesan. Breathe Analyzer for Respiratory Diseases: A Review. *International Journal of Advanced Science and Technology,* 2020:29(3):8284–8289. *(Scopus Indexed)*

38. M.Aarthilakshmi, S.Meenakshi, A.Poorna Pushkala, V.Rama@Ramalakshmi, **N.B.Prakash**. Brain Tumor Detection Using Machine Learning. *International Journal of Scientific & Technology Research*. 2020:9(4):1976-1979 *(Scopus Indexed)*

39. K.Subbiah Kumar, P.Subashraja, V.Vasanth, M.Venkatesh, **N.B.Prakash**. IoT Based Health Monitoring System. *International Journal of Recent Technology and Engineering (IJRTE).* 2020:8(6):5216-5218. *(Scopus Indexed)*

40. Peratchiammal M, **Prakash NB**, Vigneshwaran B. Pollution Severity Diagnose on Solid Insulators using the Partial Discharge and Flashover Characteristics. *International Journal of Innovative Technology and Exploring Engineering*. 2020:9(4):2523-2528. *(Scopus Indexed)*

41. Geetha A, Santhi D, **Prakash NB**, Hemalakshmi GR, Sumithra M. Image Processing Techniques for Diagnosis of Glaucoma from the Retinal Image: Brief Review. *Journal of Clinical and Diagnostic Research*. 2020:14(2):NE01-NE09. *(ESCI Indexed, Web of Science, Thomsonreuters)*

42. A.Mohanarathinam, S.Kamalraj, **Prakash NB**, Hemalakshmi GR, G.K.D.Prasanna Venkatesan. An Image Based Encryption Algorithm for Multimedia Applications. *International Journal of Engineering and Advanced Technology.* 2019:9(2):3354-3357. *(Scopus Indexed)*

43. Sreehari G S**, Prakash NB**, Karthikeyan M, Vijayarajan P. PSO-Solar Based for PV System for Maximum Power Point Tracking. *Bioscience Biotechnology Research Communications (Special Issue).* 2019:12(6):63-74. *(ESCI Web of Science Indexed).*

44. **Prakash NB**, Hemalakshmi GR. Efficient Brain Image Segmentation Technique Based on Entropy with Genetic Algorithm. *Bioscience Biotechnology Research Communications (Special Issue).* 2019:12(6):134-141 *(ESCI Web of Science Indexed)*

45. Kannayeram G, **Prakash NB**, Muniraj R, Sundar B. Optimal Blending of Polymeric Materials for Power Transmission Cable Insulation using CHAOTIC PSO and GA – A Case Study. *Sylwan Journal.* 2019:163(11):52-63. *(SCIE Web of Science Indexed & Anna University, Chennai, Annexure List Journal (S.No.10960) IF: 0.691)*

46. Kannayeram G, **Prakash NB**, Muniraj R, Rajesh NB. Optimal Tuning of UPFC Damping Controller in Solar Penetrated Power System using DBCSO. *Sylwan Journal.* 2019:163(11):40-51. *(SCIE Web of Science Indexed & Anna University, Chennai, Annexure List Journal (S.No.10960) IF: 0.691)*

47. Ayyakrishnan M, Saravanan R, Kannayeram G, **Prakash NB**. Fast Recovery Switching Fault Tolerant Control Schemes for Four Switch Voltage Source Inverter. *Sylwan Journal.* 2019:163(11):29-39. *(SCIE Web of Science Indexed & Anna University, Chennai, Annexure List Journal (S.No.10960) IF: 0.691)*

48. Sujatha M, **Prakash NB**, Hemalakshmi GR, Jayasankar T. High Performance Grouping With Load Balancing Scheme for Wireless Sensor Networks. *International Journal of Advanced Science and Technology.* 2019:28(12):441-449. *(Scopus Indexed)*

49. Kannayeram G, Magala V, **Prakash NB,** Muniraj R, Sundar B. Assessment of NR/EPDM Blend Ratio Using Graphical Method. *International Journal of Innovative Technology and Exploring Engineering*. 2019:8(12):2358-2362. *(Scopus Indexed)*

50. Kannayeram G, **Prakash NB,** Muniraj R, Sivakumar T. Optimal Tuning of UPFC Damping Controller Using Single and Multiobjective Evolutionary Algorithms. *International Journal of Scientific & Technology Research*. 2019:8(10):3031-3037. *(Scopus Indexed)*

51. Hemalakshmi GR, Santhi D, **Prakash NB**. The Role of Optic Disc, Retinal Blood Vessels and Exudates in Detection of Diabetic Retinopathy: A Literature Review. *Journal of Clinical and Diagnostic Research*. 2019:13(3):NE01-NE04. *(ESCI Indexed, Web of Science, Thomsonreuters)*

52. Selvathi D, **Prakash NB**, Gomathi V, Hemalakshmi GR. Fundus Image Classification Using Wavelet Based Features in Detection of Glaucoma. *Biomedical & Pharmacology Journal*. 2018:11(2):795-805. *(SJR:0.13) Anna Univ. Annexure-II*

53. Kannayeram G, Manoharan PS, **Prakash NB**. PI-tuned UPFC damping controllers design for multi-machine power system. *Journal of Measurements in Engineering.* 2018:6(2):81-92. *(Clarivative Analytics ESCI Indexed)*

54. **Prakash NB**, Karuppiah N, Vishnu Kumar V, Vishnu RM, Zainy Mohammed Yousuf. Load Frequency Control of Three Area System using FOPID Controller. *WSEAS Transactions on Computer Research*. 2018:6:36-42.

55. **Prakash NB,** Hemalakshmi GR. Industrial Energy Consumption Cost Analysis. *International Journal of Emerging Technology and Advanced Engineering.* 2017:7(6):153-156.

56. **Prakash NB,** Hemalakshmi GR. Detection of Microaneurysms in Fundus Image using ELM classifier. *International Journal of Current Pharmaceutical Review and Research*. 2017:8(3):223-227. *(SJR:0.325)*

57. **Prakash NB**, Selvathi D. An Efficient Detection System for Screening Glaucoma in Retinal Images. *Biomedical & Pharmacology Journal*. 2017:10(1):459-465. *(SJR:0.13) Anna Univ. Annexure-II*

58. **Prakash NB,** Selvathi D. Segmentation of retinal blood vessels in colour fundus images using ANFIS classifier. *International Journal of Biomedical Engineering and Technology*. 2017:24(4):338-355. *(SJR:0.2) Anna Univ. Annexure-I*

59. **Prakash NB**, Hemalakshmi GR, StellaInbaMary M. An efficient approach on optic disc detection and retinal blood vessel segmentation for diabetic retinopathy based on support vector machine. *Journal of Chemical and Pharmaceutical Sciences.* 2016:9(3):1031-1038. *(SJR:0.15) Anna Univ. Annexure-II*

60. **Prakash NB**, Hemalakshmi GR, StellaInbaMary M. Automated Grading of Diabetic Retinopathy Stages in Fundus Images using SVM Classifier. *Journal of Chemical and Pharmaceutical Research*. 2016:8(1):537-541. *(SJR:0.12) Anna Univ. Annexure-II*

61. **Prakash NB**, Selvathi D. An efficient approach for detecting exudates in diabetic retinopathy images. *Biomedical Research (India)*. 2016:Special Issue:S414-S418. *(SJR:0.14) Anna Univ. Annexure-I*

62. **Prakash NB**, Gowthami K. Automatic Vehicle Collision Avoidance System-A Survey. *Research Journal of Pharmaceutical, Biological and Chemical Sciences.* 2016:7(1):1046-1053. *(SJR:0.16) Anna Univ. Annexure-II*

63. Kumar K, **Prakash NB**, Divya S. Investigation of flashover performance on 22kv bushing with non-uniform pollution. *International Journal of Applied Engineering Research*. 2015:10(10):15948-15953. *(SJR:0.2) Anna Univ. Annexure-II*

64. Diffni Gomez AM, **Prakash NB**, Vigneshwaran B. Analysis of Partial Discharge Characteristics on Aged Mineral Oils. *International Journal of Applied Engineering Research*. 2015:10(10):18260-18264. *(SJR:0.2) Anna Univ. Annexure-II*

65. **Prakash NB**, Parvathavarthini M, Madavan R. Mathematical Modeling on AC Pollution Flashover Performance of Glass and Composite Insulator. *Journal of Electrical Engineering and Technology*. 2015:10(4):1796-1803. *(JCR:0.597) Anna Univ. Annexure-I*

66. **Prakash NB**, Selvathi D, Hemalakshmi GR. Development of Algorithm for Dual Stage Classification to Estimate Severity Level of Diabetic Retinopathy in Retinal Images using Soft Computing Techniques. *International Journal on Electrical Engineering and Informatics*. 2014:6(4):717-739. *(SJR:0.18) Anna Univ. Annexure-II*

67. Sivaneshwaran K, Vinothkumar R, Jegatheesh G, **Prakash NB**, Deepeeha JR. Demand Based Operating System of Power Compensating Controller. *International Journal of Engineering Development and Research*. 2014:2(2):1559-1562.

68. Hemalakshmi GR, **Prakash NB**. Differentiation of paddy grains & analyzing the defects in paddy grains using Image Processing. *International Journal of Emerging Technologies*. 2014.

69. Selvathi D, **Prakash NB**, Neethi Balagopal. Automated detection of diabetic retinopathy for early diagnosis using feature extraction and support vector machine. *International Journal of Emerging Technology and Advanced Engineering.* 2012:2(11):762-767.

70. Saravanan P, **Prakash NB**. Constructive Genetic Algorithm – An Application to minimize the cost. *Engineering Today Journal*. 2003:5:55-58.

INTERNATIONAL BOOK CHAPTER PUBLICATIONS:

1. R Pandi Selvam, A Sheryl Oliver, V Mohan, **NB Prakash**, T Jayasankar. Explainable Artificial Intelligence with Metaheuristic Feature Selection Technique for Biomedical Data Classification. *Biomedical Data Analysis and Processing Using*

Explainable (XAI) and Responsive Artificial Intelligence (RAI). https://link.springer.com/chapter/10.1007/978-981-19-1476-8_4 2022:43-57. *(SCI and Web of Science Elsevier link)*

2. Velumani Ramesh, Hariharasitaraman S, Sankar Ganesh Sundaram, **Prakash N.B.** and Hemalakshmi G. R. A Federated Learning-Based Light-Weight Privacy-Preserving Framework for Smart Healthcare Systems*. Handbook of Research on Design, Deployment, Automation, and Testing Strategies for 6G Mobile Core Network*. https://www.igi-global.com/chapter/a-federated-learning-based-light-weight-privacy-preserving-framework-for-smart-healthcare-systems/302198 2022: Pages: 30: DOI: 10.4018/978-1-7998-9636-4.ch019.

3. T.Jayasankar, **N.B.Prakash**, G.R.Hemalakshmi. 7 - Big Data based breast cancer prediction using kernel support vector machine with the Gray Wolf Optimization algorithm. *Applications of Big Data in Health Care (Theory and Practice) (Book chapter).* https://doi.org/10.1016/B978-0-12-820203-6.00003-5*,* 2021:173-194 *(SCI and Web of Science Elsevier link)*

4. Krishnaraj N, **Prakash N.B.** (2021) An Intelligent Fitness-Scaling Chaotic Genetic Ant Colony Algorithm Based on Task-Scheduling in Cloud Computing Environments. In: Elhoseny M., Shankar K., Abdel-Basset M. (eds) *Artificial Intelligence Applications for Smart Societies. Studies in Distributed Intelligence. Springer, Cham (Book Chapter).* https://doi.org/10.1007/978-3-030-63068-3_9 *(SCI Web of Science Indexed Springer Link)*

5. G Kannayeram, PS Manoharan, **NB Prakash**, T Sivakumar, R Saravanan. Robust Optimal Tuning of UPFC Using Single Objective Optimization Algorithm. *Intelligent Paradigms for Smart Grid and Renewable Energy Systems (Book Chapter)* https://link.springer.com/chapter/10.1007/978-981-15-9968-2_2

INTERNATIONAL CONFERENCE PUBLICATIONS:

1. P. Arul Kandhan; **N.B. Prakash**; M. Bakrutheen Performance Analysis of Different Fatty Acid Vegetable Oil using Ranking Method https://ieeexplore.ieee.org/xpl/conhome/10059461/proceeding

2. Gnanaprakasam C. N.; N. Arockia Rosy; Vaishali Gajendra Shende; **N. B. Prakash**; P. V. Pramila; S. Ramesh ML-based intelligent management and prediction of heart disease https://doi.org/10.1063/5.0120443

3. D Sabapathi; Yogesh Shivaji Pawar; Sumagna Patnaik; E. Sivanantham; D. Karthik Prabhu; N. B. Prakash Energy Load Forecasting with Demand Side Management in Industrial Sectors using Neuro-Fuzzy Controller and Deep Learning https://ieeexplore.ieee.org/xpl/conhome/10073654/proceeding

4. Sheeba Y, **Prakash N.B.** Insulator Crack Detection using Soft Computing Techniques. *8th International Conference on Advanced Computing and Communication*

Systems @ Shri Eashwar College of Engineering, Coimbatore on 25th and 26th March 2022. Paper ID: ICACCS_2022_paper_AO62

5. G Kannayeram, M Madhumitha, S Mahalakshmi, P Menaga Devi, K Monika, **NB Prakash**. Smart Environmental Monitoring using LoraWAN. *Proceedings of the 3rd International Conference on Communication, Devices and Computing. Springer, Singapore*, 513-520, 2022. *(Scopus Indexed Conference)*

6. A Muthara Swathi, GR Hemalakshmi, **NB Prakash**. Covid 19-Lung Segmentation and Detection-A Literature Review. *2021 5th International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT). IEEE Conference,* 614-618, 2021. *(Scopus Indexed Conference)*

7. Rajalakshmi M, **Prakash N.B**. (2021) Prediction and analysis of transformer oil using fuzzy logic algorithm (ICSGSM2021-080) in "*International Conference on Smart Grids Structures and Materials" held on 19th and 20th April 2021 at KLEF (*KONERU LAKSHMAIAH EDUCATION FOUNDATION. DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING)*, Vijayawada Campus, Guntur, Andhra Pradesh.*

8. Ramar Ananth P, Vishnu S, Sreedhar K.T, **Prakash NB.** (2021) Hybrid System Based D-STATCOM for Power Quality Improvement with IoT. *9th International Conference on Contemporary Engineering and Technology 2021(ICCET-2021).* 10th and 11th April 2021. Prince Shri Venkateshwara Padmavathy Engineering College & Prince Dr.K.Vasudevan College of Engineering and Technology, Chennai.

9. Selvakumar M, Selvakumar R, Seyad Ibrahim N.M, **Prakash NB.** (2021) Smart GSM Based Anti-Drunk Car Alert System. *9th International Conference on Contemporary Engineering and Technology 2021(ICCET-2021).* 10th and 11th April 2021. Prince Shri Venkateshwara Padmavathy Engineering College & Prince Dr.K.Vasudevan College of Engineering and Technology, Chennai.

10. **Prakash NB**, Shiny G, Kannayeram G, Madavan R. (2019) Statistical Analysis of Silicon Grease Coated Bushings Characteristics under Various Contaminated Conditions. *Online International Conference on Innovation in Electrical, Electronics and Intelligent Computing (ICI2EIC 2019).* 19th – 20th July 2019. http://ici2eic.com/publications.html (Scopus Publications) (Paper ID: OIIC 1051).

11. Kannayeram G, Manoharan PS, **Prakash NB**, Sivakumar T, Saravanan R. (2019) Robust Optimal Tuning of UPFC using Single Objective Optimization Algorithm. *First International Conference on Advances in Electrical and Computer Technologies 2019 (ICAECT 2019),* Hotel Aloft, Coimbatore. http://icact.co.in/ (Springer Partner)

12. **Prakash NB**, Kalirajan A, Kathirvelmari S, Mohammed Safeek P, Murugan S. (2019) Smart Vehicle System. *International Conference on Recent Trends in Engineering, Technology and Management (ICRTEM-2019).* PSN College of Engineering and Technology, Tirunelveli. (Paper ID: PSN1023)

13. Kannayeram G, **Prakash NB**, Eswari Prabha P, Gobiga RK. (2019) Damping of Low Frequency Oscillations Using Controllability Measures of UPFC. *IEEE International Conference on Recent Advances in Energy-efficient Computing and Communication (ICRAEEC'2019)*, St.Xavier's Catholic College of Engineering, Nagercoil. http://www.icaecc2019.com/

14. Rajesh NB, **Prakash NB**. (2017) Co-Ordination Control Scheme for Reactive Power Sharing and Harmonic Voltage Distortion Compensation in Droop Controlled Micro-Grids. *AICTE Sponsored International Conference on Power and Energy Systems (ICPES'2017)*, Velammal College of Engineering and Technology, Madurai.

15. Rajesh NB, **Prakash NB**. (2017) Evaluation of Voltage Stability in Power System Network with Observability Using Phasor Measurement Unit (PMU). *AICTE Sponsored International Conference on Power and Energy Systems (ICPES'2017)*, Velammal College of Engineering and Technology, Madurai.

16. Tamilarasi A, **Prakash NB**, Suvatha A, Muthuselvi M. (2017) FPGA Implementation of Electric Vehicle Using Transformer-less Inverter Topology. *International Conference on Intelligent Transport System and Vehicle Technology ITSVT'2017,* Karpagam College of Engineering, Coimbatore.

17. Shiny G, **Prakash NB**, Madavan R. (2016) Effect of Combination of Pollutants on the Performance of the Bushing. *IEEE International Conference on Energy Efficient Technologies for Sustainability ICEETS'2016*, St.Xaviers Catholic College of Engineering, Nagercoil.

18. Shiny G, **Prakash NB**, Madavan R. (2016) Analysis of Bushing Performance under Various different polluted environments. *International Conference on Intelligent Systems and Control, ISCO'2016*, Karpagam College of Engineering, Coimbatore.

19. Kumar K, **Prakash NB**, Divya S. (2015) Investigation of flashover performance on 22kv bushing with non-uniform pollution. *IEEE Sponsored 2nd International Conference on Innovations in Information Embedded and Communication Systems ICIIECS'15*, Karpagam College of Engineering, Coimbatore.

20. Kumar K, **Prakash NB**, Divya S. (2015) Investigation of Non-Uniform Pollution Performance on RTV Coated Bushing. *IEEE International Conference on Electrical, Computer and Communication Technologies*. SVS College of Engineering, Coimbatore.

21. Diffni Gomez AM, **Prakash NB**, Vigneshwaran B. (2015) Investigation of Partial Discharge Characteristics Fluids in Electric Power Apparatus *IEEE International Conference on Electrical, Computer and Communication Technologies*. SVS College of Engineering, Coimbatore.

22. Diffni Gomez AM, **Prakash NB**, Vigneshwaran B. (2015) Analysis of Partial Discharge Characteristics on Aged Mineral Oils. *IEEE Sponsored 2nd International Conference on Innovations in Information Embedded and Communication Systems ICIIECS'15*, Karpagam College of Engineering, Coimbatore.

23. **Prakash NB**, Parvathavarthini M, Madavan R. (2015) Investigation of various artificial polluting methods on glass and composite insulators. *IEEE International Conference on Communication and Signal Processing (ICCSP)*. Adhiparasakthi Engineering College, Melmaruvathur

24. Diffni Gomez AM, **Prakash NB**, Vigneshwaran B. (2015) Investigation on electrical characteristics of dielectric fluids under aging phenomena. *IEEE International Conference on Communication and Signal Processing (ICCSP).* Adhiparasakthi Engineering College, Melmaruvathur

25. Karthiga V, Manimekalai V, Hemalakshmi GR, **Prakash NB**. (2014) Automatic Railway Level Crossing using Android. *International Conference on Innovative Trends in Computing and Technology*. Rajaas Engineering College, Vadakangulum

26. Kaleeswari R, **Prakash NB**, Madavan R, Kannayeram G. (2013) Investigation of flashover performances on various types of insulators with non-uniform pollution. *IEEE International Conference on Power and Energy Systems*, Velammal College of Engineering and Technology, Madurai 2013.

27. Koperundevi K, **Prakash NB**, Madavan R, Kannayeram G. (2013) Investigation of Pollution Performance on Bushing using Sphere to Sphere Configuration. *IEEE International Conference on Power and Energy Systems*, Velammal College of Engineering and Technology, Madurai.

28. Sundar G, Kannayeram G, **Prakash NB**, Vinothkumar V. (2013) CPSO based selection of Optimal Polyurethane and Silicone blend. *International Conference SEMCCO and FANCCO 2013*, SRM University, Chennai.

29. Vinothkumar V, Kannayeram G, **Prakash NB**, Sundar G. (2013) PSO based selection of Optimal Natural and Synthetic Polymeric blend. *International Conference SEMCCO and FANCCO 2013*, SRM University, Chennai.

30. **Prakash NB**. (2013) Investigation of Various Artificial Polluting Methods and New AC Flashover Dynamic Modeling of Glass and Composite Insulators. *International Conference on Advanced Computing Machines and Embedded Technology (ICACT'13)*. J.K.K.Nattraja College of Engineering and Technology.

31. **Prakash NB**, Selvathi D. (2011) Optic Disc Detection and Blood Vessel Segmentation in Color Retinal Images. *International Conference on Advances in Engineering and Technology - Computer Science (ACS)*.

32. Kannayeram G, **Prakash NB**. (2010) Robust Damping of Local and Inter-area Oscillations using UPFC. *International Conference ICETES-2010* Noorul Islam University, Kumaracoil.

NATIONAL CONFERENCE PUBLICATIONS:

1. **Prakash NB**, Aksha J, Esakkiammal G, Maheswari K. (2017) Segmentation of retinal blood vessels in fundus images using image processing techniques. *National Conference on Knowledge Based Inventive Telecommunication Systems*

(NCKITS-2017). KKR & KSR Institute of Technology & Sciences Guntur, Andhra Pradesh,

2. **Prakash NB**. (2013) Investigation of Various Artificial Polluting Methods and New AC Flashover Dynamic Modeling of Glass and Composite Insulators. *CSIR Sponsored 5th National Conference on Advanced Technologies in Electrical Engineering.*

3. **Prakash NB**. (2013) Investigation of Various Artificial Polluting Methods on Glass and Composite Insulators. *7th National Conference Advances in Power Engineering and Control Technology (APECT'13).*

4. Vethakkan Rajkumar C, **Prakash NB**, Subburaj P. (2011) An automated recognition of partial discharge patterns using neural network function. *National Conference on Intelligent Computing and Control for Engineering Applications (NCICE'11)* Anna University of Technology, Coimbatore.

5. **Prakash NB**. (2011) An Automatic Recognition of Partial Discharge Patterns using Neural Network Function. *National Conference on Intelligent Computing and Control of Engineering Applications (NCICE'11).*

6. Kannayeram G, **Prakash NB**. (2010) Robust Damping of Electro Mechanical Oscillations Using UPFC. *National Conference on Innovations in Electrical and Electronics Engg*. M.P.Nachimuthu M.Jaganathan Engg. College, Chennimalai.

7. **Prakash NB**. (2009) Performance Comparison of Harmonic Mitigation Control Strategies for Shunt Active Power Filter. *National Conference*, Einstein College of Engineering, Aalangulum.

8. **Prakash NB**. (2009) Real Time Measurements of Harmonics Using Power Quality Analyzer and Mitigation Using Shunt Active Power Filter. *National Conference*, Dr.Sivanthi Adittanar Engg. College, Tiruchendur.

9. **Prakash NB**. (2008) Neuro Fuzzy Control of Robotic Arm. *National Conderence on Extreme Engineering and Technological Advancements*, Jeyam College of Engineering and Technology, Dharmapuri.

10. **Prakash NB**. (2008) Dielectric Properties Of Polymer Insulating Materials Impregnated With Oil. *National Conference on Emerging Trends in Electrical Engineering and Power Drives*, Government College of Engineering, Tirunelveli.

11. **Prakash NB**. (2003) Optimal Sizing and placement of Capacitors in distributed networks. *National Conference*, Adhiyaman Engineering College, Ozhur.

12. Subburaj P, Saravanan P, **Prakash NB**. (2003) Role of Power Electronics in Alternative Energy Sources. *UGC Sponsored National Conference on Recent Trends in Industrial Electronics, Drives and Controls*. Annamalai University, Annamalai Nagar, Chidambaram.

13. Subburaj P, **Prakash NB**. (2003) Power Quality Problems with Harmonic Distortion. *19th National Convention of Electrical Engineers. National Seminar on Challenges in Meeting the Demand for Quality in Power Supply*, The Institution of Engineers, (India), Madurai Local Centre.

WORKSHOPS/SEMINARS/FDP ATTENDED:

S.No	Topic	Institution	Date
1.	Certificate of Energy Literacy	Energy Swaraj Foundation	09.03.2023
2.	AICTE Online Orientation Training Program for Mentors under	National Initiatives for Technical Teachers Training (NITTTR, Chennai)	05.07.2021-09.07.2021
3.	AICTE Training and Learning Academy (ATAL Online FDP on Internet of Things (IoT)	Indian Institute of Information Technology Nagpur	30.04.2020-04.05.2020
4.	FDP on Technology Advancement in Power System Control, Power Controllers, Dives and E-Vehicle – TAPPAD 2020	Dr.N.G.P .Institute of Technology, Coimbatore	27.04.2020-01.05.2020
5.	Two weeks faculty development program on LaTex	Gopalan College of Engineering and Management, Bangalore	17.04.2020-30.04.2020
6.	GIAN Course – "Introduction to Image Based Modeling and Simulation Applications in Musculoskeletal Biomechanics"	Motilal Nehru National Institute of Technology, Allahabad	22.04.2019-26.04.2019
7.	A Talk on "Idea-Product-Patent-Income" by Mr.Ramesh Kannan, Registered Patent Agent	National Engineering College, K.R.Nagar, Kovilpatti	18.03.2019
8.	Two days Management Development Training Program – Managing Life Creatively	National Engineering College, K.R.Nagar, Kovilpatti	05.02.2019-06.02.2019
9.	CSIR Sponsored Three Day Seminar on Research Issues and Challenges in Smart Healthcare Devices RICH'19	National Engineering College, K.R.Nagar, Kovilpatti	31.01.2019-02.02.2019

S.No	Topic	Institution	Date
10.	TEQIP sponsored FDP program on Free Open Source Software for AI and machine learning	Thiagarajar College of Engineering, Madurai	01.10.2018-06.10.2018
11.	Three days training programme on "Technology Enabled Learning" by NITTTR, Chennai	National Engineering College, K.R.Nagar, Kovilpatti	27.05.2017-29.05.2017
12.	TEQIP Sponsored Foundation Skills in Integrated Product Development (FSIPD) Train the Trainer Programme	Thiagarajar College of Engineering, Madurai	19.01.2016-23.01.2016
13.	NPTEL Online Certification Introduction to Research	NPTEL, Chennai (MDRD)	01/2016-02/2016
14.	Formulation of Research and Development Grant Proposals by Scientists and Technologists	National Engineering College, K.R.Nagar, Kovilpatti	18.11.2015-20.11.2015
15.	FDP on Entrepreneurship, Innovation and Incubation	Vellore Institute of Technology, Vellore	01.06.2015-13.06.2015
16.	AICTE Sponsored FDP on Advanced Computational Intelligence and Optimization Techniques for Health Care Diagnosis System (ACIOTHDS'15)	MEPCO Schlenk Engineering College, Sivakasi	11.05.2015-24.05.2015
17.	NPTEL Workshop	National Engineering College, K.R.Nagar, Kovilpatti	13.03.2015
18.	Three Days Training Programme – IGNITE on HR	National Engineering College, K.R.Nagar, Kovilpatti	28.11.2014-30.11.2014
19.	17th ISTE TN& P Section Annual Convention & Conferment of Life Time Achievement Awards – 2014	National Engineering College, K.R.Nagar, Kovilpatti	07.11.2014-08.11.2014
20.	ISTE-SRM Sponsored One week Short Term Training Programme on Soft Computing Techniques for Clinical Decision Making	PSNA College of Engineering and Technology, Dindigul	07.07.2014-13.07.2014
21.	Workshop on High Voltage Insulation Testing, Measurement and Simulation Techniques	SASTRA University, Thanjavur	28.09.2013
22.	RADIE'11	National Engineering College, K.R.Nagar, Kovilpatti	18.02.2011

S.No	Topic	Institution	Date
23.	Wavelets Transform and its Applications	MEPCO Schlenk Engineering College, Sivakasi	04.02.2011-05.02.2011
24.	DRDO Sponsored Two Days Workshop FPGE-PED'11	National Engineering College, K.R.Nagar, Kovilpatti	14.10.2011-15.10.2011
25.	DRDO Sponsored Two Days Seminar SCTAEE'11	National Engineering College, K.R.Nagar, Kovilpatti	05.08.2011-06.08.2011
26.	Mission 10x (High Impact Teaching Profile)	National Engineering College, K.R.Nagar, Kovilpatti	01.12.2009-05.12.2009
27.	National Seminar on Biomedical Engg AMER'08 (Advancements in Medical Engg. Towards Research)	National Engineering College, K.R.Nagar, Kovilpatti	28.03.2008-29.03.2008
28.	Outcome Based Technical Education	National Engineering College, K.R.Nagar, Kovilpatti	25.07.2007
29.	Research Motivation Programme	National Engineering College, K.R.Nagar, Kovilpatti	04/2007
30.	Instructional Design And Delivery	National Engineering College, K.R.Nagar, Kovilpatti	29.11.2004-04.12.2004
31.	Microcontroller Programming	Arulmigu Kalasalingam College of Engg, Krishnankoil	10.11.2003-15.11.2003
32.	Challenges in meeting the demand for quality in power supply	The Institution of Engineers, Madurai	08.11.2003-09.11.2003
33.	High Voltage Engineering	National Engineering College, K.R.Nagar, Kovilpatti	31.05.2003-05.06.2003
34.	Fuzzy Logic Application for Power System	K.S.Rangasamy College of Technology, Thiruchencode	19.03.2003-20.03.2003
35.	Recent Trends In Electrical Drives	Jerusalem College Of Engg., Chennai	26.02.2003-27.02.2003

GUEST LECTURE:

1. Delivered a Guest Lecture on "**Energy Conservation and Optimization"** at **Francis Xavier Engineering College**, Tirunelveli on 27.03.2023
2. Delivered a Guest Lecture on "**Prototype/Process Design and Development"** at **St. Marys College (Autonomous),** Thoothukudi on 29.08.2022

3. Delivered a Guest lecture on "**Machine Learning and its Applications**" at **Sri Sivasubramaniya Nadar College of Engineering, Chennai** on 09th and 10th December 2021

4. Delivered a Guest lecture on "**Programming and Interfacing using 8086 and 8051**" at **R.M.D. Engineering College, Chennai** on 09.10.2020

5. Delivered a Guest lecture on "**IoT-Its Significance and Applications**" at **Sri Sivasubramaniya Nadar College of Engineering, Chennai** on 24.08.2020

6. Delivered a Guest lecture on "**Career Guidance (Higher Studies) for Polytechnic Students**" at **Lakshmi Ammal Polytechnic College**, Kovilpatti on 06.03.2020

7. Delivered a Guest lecture on "*Deep Learning Techniques*" to the Department of Computer Science, **G.Venkatasamy Naidu College (SFC)** on 08.01.2020.

8. Delivered a Guest lecture on "*Unsupervised Machine Learning*" to the CSE Department Machine Learning Focus Group, **National Engineering College** on 07.07.2018.

9. Delivered a guest lecture on "*High Voltage Equipments*" in a **AICTE Sponsored FDP Program High Voltage Engineer** from 06.11.2017 – 19.11.2017 organized by EEE Department of National Engineering College, Kovilpatti.

10. Delivered a guest lecture on "*Personality and Character Development*" at **Government College of Engg.** Tirunelveli on 29.08.2017.

11. Delivered Seminar on "*Segmentation of Retinal Blood Vessels in Colour Fundus Images using ANFIS Classifier*" at **MEPCO Schlenk Engineering College,** Sivakasi on 24.10.2016.

12. Delivered a presentation on "*Soft Skills and Opportunities Identification for Entrepreneurs*" during the **Entrepreneurship awareness camp** on 29.12.2015 at National Engineering College, Kovilpatti.

13. Delivered a guest lecture on "*Implementation of FLC*" in a three days **National Level Workshop on "Implementation of Soft Computing Techniques using MATLAB**" on 25th to 27th Aug. 2014 organized by EEE Department of National Engineering College, Kovilpatti.

SPECIFIC ACHIEVEMENT:

1. Selected to receive the **Most Precious Award – PILLARS OF INDIA 2021** (In Memory of People's President) to recognize and acknowledge the best contributions in your field **on the eve of 90th birth anniversary of Dr.A.P.J.Abdul Kalam**.

2. Recipient of The Innovative Global Scientific Researchers, Educationalist-Professionals & Journalist Awards & Fellowship Honors Convocation 2020-21

awarded by The Society of Innovative Educationalist & Scientific Research Professionals Chennai as **"Innovative Technological Research & Dedicated, Excellent Professional Achievement Award" Specialization: Electrical and Electronics Engineering.**

3. **Commandant Silver Medal in NCC Officer Training Academy, Nagpur**

4. Best Platoon Commander in NCC Troop

5. **Awarded as Certified Master Trainer in TEQIP Sponsored Foundation Skills in Integrated Product Development (FSIPD) Train the Trainer Programme**

6. Completed the NCC Refresher Course Part-I with Alpha Grading

7. Promoted to the rank of Captain w.e.f. 25.02.2017

8. Motivated NCC Cadets to participate in the TSC, Sports and RDC camps, New Delhi.

9. **Best Project Award from The Institution of Engineers (India) in the 2nd IEI** Tamilnadu State Centre Students & Technicians Convention and All India Seminar on "Innovation, Technology and Knowledge Economy" for Real Time Implementation of Railway Track Fault Detection System Using IR and Ultrasonic Technology. (18th & 19th March 2016).

ADMINISTRATIVE POST HELD:

1. Coordinator for Placement Training Program (2018-2022 Batch) since 2021.

2. Finance Committee Chair for the "IEEE International Conference on "Emerging Technologies and Applications for a Smart and Sustainable World" (ICEmTASS'21)" 16th t0 18th December 2021.

3. Chairman Kalvithanthai Thiru.K.Ramasamy - Founders Day & Memorial Lecture Program Coordinator since 2020

4. Admin Member in Coursera for campus connectivity since March 2020.

5. Member in the Equal Opportunity Cell of our college since 2019.

6. Expert Member in the IPR cell for patent application review (Electrical domain) since 2019.

7. Coordinator for NCC Cadet & NSS Student Volunteers for Job Mela since 2018

8. Department Placement Coordinator since 2018.

9. Tutor and Class Incharge for PG M.E(HVE) Students since 2017

10. EEE Department Association Staff Coordinator (2017-2019).

11. Expert Member in the NewGenIEDC Projects review (2017-2019).

12. Social Awareness Cell – Faculty Incharge (2016-2019)

13. Expert Member in UG Project Review since 2015

14. Entrepreneurship Development Cell Department Coordinator (2015-2018).

15. Department Advisory Board (Industrial Institute Interaction) & Program Assessment Committee Convener (2014-2019).

16. NEC Staff Club Joint Secretary in (2013-2014) and Treasurer in (2012-2013).

17. Microprocessor and Microcontroller Lab In-Charge since 2012

18. Department Board of Studies Executive Member since 2012 (Autonomous Scheme).

19. NCC Officer in the rank of Lieutenant since 2009 (Present Rank – Captain).

20. Institutional Program Discipline Committee Convener since 2009.

21. As Gents Hostel Residential Tutor from 2002 – 2004.

COURSERA COURSES COMPLETED :

S. No	Course Details	Date of Completion
1.	Machine Learning with Python	24.04.2020
2.	AI for Everyone	13.05.2020
3.	Introduction to Data Science in Python	19.05.2020
4.	Machine Learning Foundations: A Case Study Approach	21.05.2020
5.	Network Security & Database Vulnerabilities	21.05.2020
6.	Machine Learning for Business Professionals	27.05.2020
7.	Programming for Everybody (Getting Started with Python)	30.05.2020
8.	Basic Image Classification with TensorFlow	05.06.2020
9.	Machine Learning for All	18.06.2020
10.	Introduction to Augmented Reality and ARCore	18.06.2020
11.	COVID-19 Contact Tracing	19.06.2020
12.	Semantic Segmentation with Amazon Sagemaker	20.06.2020
13.	Introduction to Python	26.06.2020
14.	Machine Learning Pipelined with Azured ML Studio	28.05.2021

PROFESSIONAL MEMBERSHIP:

Organization	Year of Induction	Grade Of Membership
Institution of Engineers (India) IE(I)	Life Time	AMIE [AM096126-7]
Indian Society for Technical Education (ISTE)	Life Time	MISTE LM-41834
Institution of Electronics and Telecommunication Engineers (IETE)	Life Time	MIETE M222242
The Society of Innovative Educationalist & Scientific Research Professional – Chennai	Life Time	FSIESRP LM171899477

PROGRAMME ORGANIZED:

S.NO	Name Of the Programme	Date / Duration
1.	Organized International Conference on "Emerging Technologies and Applications for Smart and Sustainable World: ICEmTASS'21 as Finance Committee Chair @ NEC	16-18 December 2021
2.	Webinar organized on the topic "System Applications and Products (SAP) in Modern IT and Electrical World" Mr.Selvakumar Pandian NEC EEE 2008 Alumni	23.07.2020 10AM to 11AM
3.	Webinar organized on the topic "Design and Development of High Power audio Amplifier for Home Theatre" Mr.S.V.Sreeraj Director EmCog Solutions, Chennai	22.05.2020
4.	TESLA-2k18 – Intra College Technical Symposium ALTANZIA-2k19 – Inter College Technical Symposium	18.09.2018 20.02.2019 & 21.02.2019
5.	TESLA-2k17 – Intra College Symposium and ALTANZIA-2k18 – Inter College Technical Symposium	27.12.2017 13.03.2018 & 14.03.2018
6.	Entrepreneurship Bazaar Programme - NewGen IEDC	28.02.2018 & 01.03.2018
7.	NSTEDB & DST Sponsored Faculty Development Programme on Entrepreneurship at NEC	5th to 17th Dec. 2016
8.	NSTEDB & DST Sponsored Three Days Entrepreneurship Awareness Camp at NEC	29th to 31st Dec. 2015

S.NO	Name Of the Programme	Date / Duration
9.		8th to 10th March 2016
10.	Entrepreneur Awareness Programme on "Banking and Finance" by IOB Manager	01.09.2015
11.	Entrepreneurship Bazaar Programme	13th and 14th Oct. 2015
12.	An visit to Tuticorin District Tiny and Small Scale Industries Association (THUDITSSIA) Industrial Exhibition	07.08.2015
13.	Entrepreneur Awareness Programme for EEE Dept. Students with Alumni Entrepreneur	19.03.2015
14.	ERTPEPS-09 (Emerging Recent Trends in Power Electronics and Power Systems)	2009
15.	ELCON-08 (Electrical Conference)	2008
16.	Social Awareness Programs (Indhradhanush, Digital Payment, Youth Day, Trekking, Tree Plantation etc)	Three Programs in a Semester
17.	NCC Annual Day Celebration	Every Year on March month
18.	ENGINEERS DAY Celebration	Every Year on 15th Sep.
19.	Electrical Energy Awareness Programme – Conservation and Safety	Once in a month

COURSES HANDLED: UNDER GRADUATE COURSE: B.E (EEE)

Electric Circuits / Circuit Theory	Electron Devices and Circuits	Power Electronics
Measurements and Instrumentation	Microprocessor and Microcontroller	Environmental Science and Engineering
High Voltage Engineering	Electrical Machines – I	Electrical Engineering
Electrical Drives and Control Circuits	Electrical Engineering and Control Systems	Digital Signal Processing
Introduction to Engineering	Project Management and Finance	Soft Computing Techniques

POST GRADUATE COURSE: M.E (HVE)

Advanced Topics in High Voltage Engineering	Advanced Digital System Design	High Voltage Generation and Measurement
Soft Computing Techniques	High Voltage Equipments	High Voltage Engineering and its Applications

INDUSTRIAL CONSULTANCY/PROJECT UNDERTAKEN:

1. Energy Consultancy work has been carried out since 2009 for M/s. Kayaar Exports Private Limited – A spinning mill company located at Nalatinputhur village. Revenue has been generated to a tune of 1 lakhs to 1.25 lakhs rupees per year from consultancy.
2. Taking care of Windmill O&M, Power trading, Optimizations of power cost and open access power supply demand matching.
3. Developing of Industry Institute Interaction and Relationship towards MoU and Industry Oriented Projects for UG and PG Students

INDUSTRY KNOWS HOW PROGRAM:

1. Attended one week industrial training program at M/s. Quantanics Techserv Pvt Ltd, Madurai from 08.02.2022 to 12.02.2022
2. Attended one week industrial training program at M/s. Alcon Power Systems, Coimbatore from 15.03.2021 to 19.03.2021
3. Attended one week industrial training program at M/s. Associate Transformers Private Limited, Dindigul from 13.02.2018 to 17.02.2018

ACT AS REVIEWER IN THE FOLLOWING JOURNALS:

1. Asian Journal of Research and Reports in Ophthalmology
2. Applied Artificial Intelligence
3. Applied Medical Informatics
4. Biomedical and Pharmacology Journal
5. Biocybernatics and Biomedical Engineering
6. International Journal of Ophthalmology
7. CMES: Computer Modeling in Engineering and Sciences
8. COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering
9. The Journal of Engineering Research
10. Surface Review and Letters

11. Journal of Computer Engineering and Information Technology.
12. Research Patents on Computer Science.
13. IEEE Access Journals.
14. Journal of Medical Imaging and Health Informatics
15. International Journal of Electrical Engineering Education
16. Asian Journal of Research and Reports in Ophthalmology
17. International Journal of Electrical and Computer Engineering
18. Journal of Applied Science and Engineering
19. International Journal of Emerging Electric Power Systems
20. Journal of Medical Internet Research
21. Computers in Biology and Medicine
22. International Journal of Research and Scientific Innovation (IJRSI)
23. Intelligent Automation and Soft Computing
24. Uttar Pradesh Journal of Zoology
25. International Journal of Advanced and Applied Sciences (IJAAS)
26. Ophthalmology Research: An International Journal

ACT AS REVIEWER IN THE FOLLOWING INTERNATIONAL CONFERENCES:

1. Second International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT 2023) during 05 to 07, April 2023. http://iceict.in/
2. IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation – IATMSI-2022, will be held during 21-23 December 2022. https://www.iiitm.ac.in/index.php/en/
3. 9th International Conference on Renewable Energy Research and Applications, ICRERA 2020, September 27-30, 2020 Glasgow, UK http://icrera.org/.

PROJECT GRANTS & FUNDING – RECEIVED (2014-15 & 2018-19)

S.NO	Name of the Project	Student and Mentor	Project ID & Funded Year [FY]	Amount Received
1.	Real Time Implementation of Railway Track Fault Detection System Using IR and Ultrasonic Technology	**EEE Student:** Mr.P.Shanmugam (2012-2016) **Mentor:** Mr.N.B.Prakash M.E., (Ph.D) Associate Professor, EEE Dept.	**ID:**R.4/2/UG/2014-15/ UG2015045 **FY:** 2014-2015	**Rs.5,000/-**

S.NO	Name of the Project	Student and Mentor	Project ID & Funded Year [FY]	Amount Received
2.	Smart Trolley Bag	**EEE Students:** Saranya.S (2016-2020) Priyadharshini.A (2016-2020) Kanika. K (2015-2019) Nishanthi.R (2015-2019) Padmavathi.V (2015-2019) Priyadharshini.S (2015-2019) **Mentor(s):** **Mr.F.Antony Jeffrey Vaz M.E.,** Assistant Professor, EEE Dept. **Dr.N.B.Prakash M.E., Ph.D.,** Associate Professor, EEE Dept.	**ID:** NewGen IEDC /2018-19/01 **FY:** 2018-2019	**Rs.2,00,000/-**

PROJECT's SUBMITTED AND STATUS :

S.NO	Name of the Project	Investigator(s)	Submitted to & Financial Year	Amount in Rs.
1.	Automated Fundus Image Analysis and Diagnosis of Retinal Diseases using Deep Learning Techniques	**Principle Investigator:** Dr.N.B.Prakash M.E., Ph.D., **Co-Investigators:** Dr.D.Santhi M.E., Ph.D., Ms.G.R.Hemalakshmi B.Sc., MCA., .Tech.,(Ph.D).	**ICMR** – Ad-hoc Extramural Research Project, New Delhi. **FY:** 2018-2019	**15 Lakhs**
	STATUS: Full Proposal not got selected in the ICMR shortlisted references.			
2.	Development of an expert system for green house monitoring and irrigation scheduling in agricultural crops"	**Principle Investigator:** Dr.N.B.Prakash M.E., Ph.D., **Co-Investigator:** Dr.R.Muniraj M.E., Ph.D.,	**TNSCST** Science & Technology Project Scheme **FY:** 2019-2020	**5 Lakhs**

S.NO	Name of the Project	Investigator(s)	Submitted to & Financial Year	Amount in Rs.
3.	Dual Segmentation and Classification (DSC) of COVID-19 in X-Ray Images using Deep Learning Techniques	**Principle Investigator:** Dr.N.B.Prakash M.E., Ph.D., **Co-Investigator:** Ms.G.R.Hemalakshmi B.Sc., MCA., .Tech.,(Ph.D)	**TNSCST** Science & Technology Project Scheme **FY:** 2019-2020	**5 Lakhs**
	STATUS: The above submitted projects has not been shortlisted			
4.	Dual Segmentation and Classification of Lung Diseases on X-Ray & PPG Signals using Deep Learning Techniques	**Principle Investigator:** Dr.N.B.Prakash M.E., Ph.D., **Co-Investigator:** Ms.G.R.Hemalakshmi B.Sc., MCA., .Tech.,(Ph.D) Ms. R.K.Aishwaryalakshmi M.E.,	**TNSCST** Science & Technology Project Scheme **FY:** 2021-2022	**5 Lakhs**
5.	Hyper ViT: An Inteprpertable Vision Transformer Model for Early Detection of Hyperpyrexia in Covid-19 Patients Using Facial Thermal Imaging	**Principle Investigator:** Dr.N.B.Prakash M.E., Ph.D., **Co-Investigator:** Dr.B.Vigneshwaran M.E., Ph.D	**ICMR**	**30 Lakhs**
6.	Assessing the influence of climate change On pediatric ophthalmology: identifying Risk factors and developing interventions	**Principle Investigator:** Dr.N.B.Prakash M.E., Ph.D., **Co-Investigator:** Mr.B.Venkatasamy M.E., (Ph.D)	Chief Minister's Research Grant 2023 - 2024 Government of Tamilnadu Higher Education Department, DOTE	**30 Lakhs**
7.	PEyeGraML: Pediatric Eye Care with Graph Theory and Machine Learning Framework	**Principle Investigator:** Dr.N.B.Prakash M.E., Ph.D.,	**MATRICS DST-SERB**	**2 Lakhs per year (3 Years)**

PROJECT SUBMITTED FOR FUNDS TO NEWGENIEDC (2019-2020):

S.NO	Name of the Project	Student and Mentor	Reference Details
1.	Thermal Imaging for Abnormality Classification in Health Care (TIFACHC)	**Mentor(s):** **Dr.N.B.Prakash M.E., Ph.D.,** Associate Professor, EEE Dept. **Dr.D.Santhi M.E., Ph.D.,** Associate Professor, EIE Dept. **Ms.G.R.Hemalakshmi B.Sc., MCA., M.Tech., (Ph.D).,** Assistant Professor (Sr.G), CSE Dept.	**Circular:** NewGen IEDC /2019-20/01/26.09.2019 **FY:** 2019-2020
2.	Automatic Table Cleaning Robot	**Mentor(s):** **Ms.K.Gowthami M.E., (Ph.D).,** Assistant Professor, EEE Dept. **Dr.N.B.Prakash M.E., Ph.D.,** Associate Professor, EEE Dept.	**Circular:** NewGen IEDC /2019-20/01/26.09.2019 **FY:** 2019-2020
3.	Electro Cardiogram Based Human Authentication (ECG-HA)	**Mentor(s):** **Dr.R.Muniraj M.E., Ph.D.,** Assistant Professor (Sr.G), EEE Dept. **Dr.N.B.Prakash M.E., Ph.D.,** Associate Professor, EEE Dept. **Dr.M.Willjuice Iruthayarajan M.E., Ph.D.,** Professor and Head, EEE Dept.	**Circular:** NewGen IEDC /2019-20/01/26.09.2019 **FY:** 2019-2020

PROJECT GRANTS & FUNDING – RECEIVED (2019-2020)

S.NO	Name of the Project	Student and Mentor	Project ID & Funded Year [FY]	Amount Received
3.	Electro Cardiogram Based Human Authentication (ECG-HA)	**EEE STUDENTS** 1. GOMATHI ARASU.A (2018-2022) 2. GANESHKUMAR.M (2018-2022) 3. NAVEEN KUMAR P (2018-2022) 4. SELVAKUMAR.A (2018-2022) **Mentor(s):** **Dr.M.Willjuice Iruthayarajan M.E., Ph.D.,** Professor and Head, EEE Dept. **Dr.N.B.Prakash M.E., Ph.D.,** Associate Professor, EEE Dept. **Dr.B.Vigneshwaran M.E., Ph.D.,** Assistant Professor (Sr.G), EEE	**ID:** NewGen IEDC /2019-20/01/ 10.11.2020 **FY:** 2019-2020	**Rs.2,50,000/-** **Project Completed and filed Patent**

TECHNICALSESSION CHAIR / RESOURCE PERSON / PROGRAM COMMITTEE:

1. Invited as Technical Program Committee Member in the ***Springer Series International Conference on Soft Computing***, Baselios Mathews II College of Engineering, Kollam, Kerala-690520

2. Invited as a Resource Person for Webinar in Machine Learning @ St.Mother Theresa Engineering College, Vagaikulum Thoothukudi District.

3. Acted as Technical Session Chair in ***International Conference on Recent Trends in Automation, Signal Processing and Energy Systems*** (ICASE2020) conducted during 19th and 20th June 2020 in Virtual mode @ Kalasalingam Academy of Research and Education, Krishnankoil, Srivilliputtur.

NATIONAL ADVISORY COMMITTEE:

1. Advisory Board Member in 7th International Conference On Engineering Research and Innovations-(ICERI-2022) Virtual Conference ISBN : 978-93-92105-03-6 22nd & 23rd September-2022

2. Selected as **Bentham Open Ambassador** for the year 2019-2020.

3. Scientific Committee Member in the International Conference on Advances in Engineering, Technology, and Contemporary Management Trends [ICAETCMT], 20th September 2019, Kathmandu, Nepal. http://icaetcmt.com/scientific.php

4. Editorial Board Member in the *BioMed Research Journal* (ISSN: 2578-8892) http://www.scitcentral.com/editorboard.php?journal=43

5. Advisory Member in the 2nd International Conference on Power and Embedded Drive Control (ICPEDC-2019), 21st to 23rd August 2019, SSN College of Engineering, Kalavakkam, Chennai. http://icpedc2019.com/iac.html

COLLABORATIVE RESEARCH WORK:

1. Working in the research group under the project titled "***BIOMEDICAL TECHNOLOGIES TO IMPROVE CLINICAL DIAGNOSIS AND SUPPORT HEALTHCARE INDUSTRIES***" at Majmaah University, Saudi Arabia under project number RGP-2019-33.

2. Submitted consent letter to work in the project "***DESIGN AND DEVELOPMENT OF INTELLIGENT OBESITY ASSESSMENT SYSTEM FOR CHILDREN'S IN KUWAIT USING THERMAL IMAGES AND ARTIFICIAL INTELLIGENCE (AI)***" to Kuwait Foundation for Advancement in Science, Kuwait on 29.03.2022.

1. Editorial Board Member – Journal of BioMedical Advancement and Clinical Research https://manuscriptscientific.com/editorialboard/4/journal-of-biomedical-advancements-clinical-research

2. Hon. Editorial Board Member – Educationalist Consultant, Journal of Electrical, Electronics and Computer Engineering Research ISSN: 2229-9289, Innovative Scientific Research Professional, Malaysia

3. Editorial & Reviewer Board Member – Research, Engineering & Technology Board: International Scientific Journal of Contemporary Research in Engineering Science and Management. https://www.isjcresm.com/index.php/isjcresm/about/editorialTeam

4. Guest Editor for the Special Issue *"EMERGING INTELLIGENT TECHNOLOGIES IN APPLIED SCIENCE AND COMPUTATIONAL ENGINEERING MATHEMATICS"* https://research-publication.com/amsj/call-for-papers/spec-issue-eitasacem-2020/ in the *Advanced in Mathematics: Scientific Journal,* Print ISSN: 1857-8365

5. Guest Editor for the Special Issue *"Recent Trends in Advanced Information and Communication Technology"* 2020:13(2):01-167 in the *Bioscience Biotechnology Research Communications Journal,* Print ISSN: 0974-6455 Online ISSN: 2321-4007 CODEN BBRCBA, www.bbrc.in, *University Grants Commission (UGC) New Delhi, India Approved Journal, indexed in Thomson Reuters, Clarivate Analytics USA*

PATENT FILED DETAILS:

1. **Title of Invention:** *System and Method to Preserve Lifetime Personal Healthcare Big data Records (Patent Application No. 201941053817, Date of Filing Patent: 24/12/2019, Date of Publishing the Patent: 03/01/2020)*

2. **Title of Invention:** *IOT Based Personalized Healthcare System and Method Thereof (Patent Application No. 201941053821, Date of Filing Patent: 25/12/2019, Date of Publishing the Patent: 03/01/2020)*

3. **Title of Invention:** *Smart Carry-on Luggage (Patent Application No. 202041006563, App. No. TEMP/E-1/6981/2020-CHE Date of Filing Patent: 14.02.2020, Date of Publishing the Patent: 21/02/2020)*

4. **Title of Invention:** *Development of Image Processing based Fruit Spoiled Detection System (Patent Application No. 202141008722, Date of Filing Patent: 02/03/2021, Date of Publishing the Patent: 12/03/2021)*

5. **Title of Invention***: Electric Car: Display the Charging Location, Charging Time (Fast-Slow), Charging Rate, Battery Life Detect and Notified. (Australian Patent Application No. 2021101068, Date of Filing Patent: 27/02/2021)* http://pericles.ipaustralia.gov.au/ols/auspat/quickSearch.do?queryString=Electric+Car%3A+Display+the+Charging+Location%2C+Charging+Time+%28Fast-Slow%29%2C+Charging+Rate%2C+Battery+Life+Detect+and+Notified&resultsPerPage=

6. **Title of Invention:** *A Device for Authenticating a Person (Patent Application No. 202241010734, Date of Filing Patent: 28/02/2022, Date of Publishing the Patent: 04/03/2022)*

BOOK PUBLICATIONS:

1. Published a Book titled "*Design Principles and Engineering Practices of Real-Time Embedded Systems*" with authors *Prof. Mrunalini Buradkar, Dr.M.Hema, Dr.G.Ravikanth and Dr.N.B.Prakash*. First Edition, Scientific International Publishing House. ISBN: 978-93-94002-59-3. www.sipinternationalpublishers.com

SUPERVISOR STATUS – (GUIDING RESEARCH SCHOLAR)

2. Received Supervisor status under *Anna University, Chennai on 07.03.2019.*

3. Supervisor Reference Number: *3340036.*

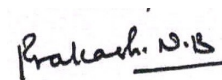4. Supervisor Department: *Information and Communication Engineering (ICE).*

RESEARCH SCHOLAR DETAILS:

S.NO	Name of the Scholar	University Affiliation and other Details of Scholar	Employment Details
1.	**Scholar Name:** Ms.A.Geetha **Email:** neyageetha@gmail.com **Mobile Number:** 9442445833	**University:** Anna University, Chennai **Registration No:** 17243897213 **Registered Year:** July 2017 **PT/FT:** Part Time **Faculty:** Electrical Engineering **Supervisor:** Dr.N.B.Prakash	Full Time Scholar w.e.f 24.05.2021

S.NO	Name of the Scholar	University Affiliation and other Details of Scholar	Employment Details
2.	**Scholar Name:** Mr. P.Nirmal Kumar **Email:** nirmalkumarxp@gmail.com **Mobile Number:** 9003951771	**University:** Anna University, Chennai **Registration No:** 21143897177 **Registered Year:** July 2021 **PT/FT:** Part Time **Faculty:** Electrical Engineering **Supervisor:** Dr.N.B.Prakash	Assistant Professor Department of EEE National Engineering College, K.R.Nagar, Kovilpatti-628503
3.	**Scholar Name:** Ms.P.Revathi **Email:** revravi09@gmail.com **Mobile Number:** 9843478529	**University:** Anna University, Chennai **Registration No:** 22224891121 **Registered Year:** January 2022 **PT/FT:** Part Time **Faculty:** Information and Communication Engineering **Supervisor:** Dr.N.B.Prakash	Assistant Professor Department of IT Hindusthan College of Engineering and Technology, Coimbatore-641032

S.NO	Particulars of Identity Details	:	Number
1	AICTE Faculty ID	:	1-455253283
	Scopus Author ID	:	56490089000
2	Orchid Author ID	:	0000-0002-9663-7625
3	Researcher Author ID	:	G-3995-2018
4	Research Gate	:	https://www.researchgate.net/profile/Prakash-N-B
5	Skype User ID	:	+919443414744
6	LinkedIn	:	https://www.linkedin.com/in/dr-prakash-nattanmai-balasubramanian-03218033/
7	Google Scholar Citation	:	https://scholar.google.com/citations?user=EumqbUgAAAAJ&hl=en
8	VIDWAN (Expert Database & National Researchers' Network)	:	https://vidwan.inflibnet.ac.in/profile/211492

I declare that the information above is correct & true to the best of my knowledge & belief.

Prakash. N.B

Signature