Naipunnya Center for Research

Organizes

Workshop

on

AI Tools for Research and Writing

Naipunnya
Management Institute

Date of Event: 11/09 /2025

Faculty-in-Charge: Dr. Soni P M

No: NIMIT/ R/01/25-26

Date: 05.09.2025

CIRCULAR

Naipunnya Centre for Research organizes a session on "AI Tools for Research and Writing " for the faculty members of NIMIT on September 11, 2025 , 2.45 p.m. The session will be conducted in the in the Seminar hall, Main Block.. The resource person for the session is Dr.Binju Saju, Asso.Professor, Adi Sankara Institute of Science and Technology, Kalady . The main objective of the programme is to give awareness and training about AI tools that help us to write publications easily.

PRINCIPAL

REPORT

AI tools for research and writing have revolutionized the way students, academics, and professionals approach complex tasks. Naipunnya Center for Research organized a workshop on AI Tools for Research and Writing for the faculty members of NIMIT on September 11, 2025, at 2.45 p.m. The session was conducted in the Seminar Hall, Main Block. The session started with a prayer song by Ms. Anna Diana, PG Department of Computer Science followed by welcome speech by Dr. Soni P M, secretary, Naipunnya Center for Research. The resource person for the session was Dr. Binju Saju, Asso. Professor, Adi Sankara Institute of Science and Technology, Kalady. The main objective of the programme was to give awareness and training about AI tools that can be used for creating research papers. These tools assist in quickly gathering relevant literature, summarizing large volumes of information, and even generating coherent drafts based on prompts. The session ended at 3.45 p.m. followed by feedback and vote of thanks by Ms. Bindu G, Asso.Professor, PG Department of Commerce.

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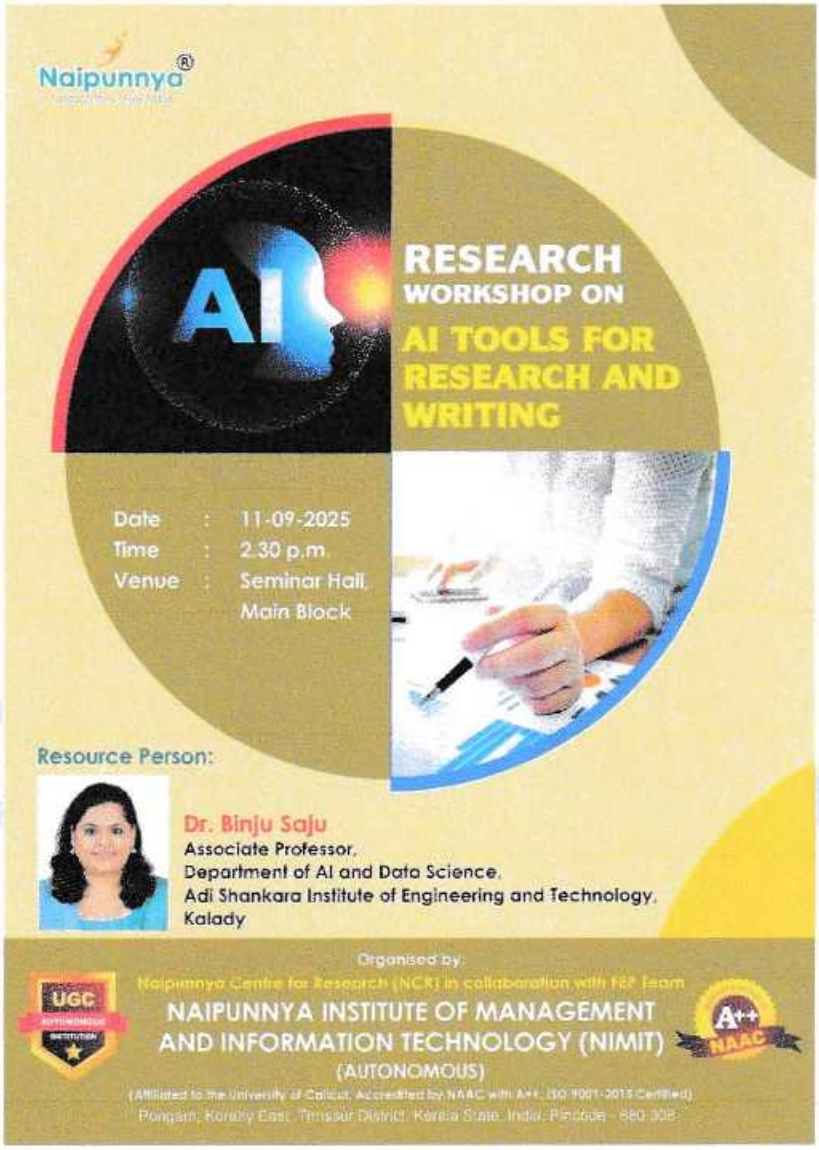
Prepared by:	Verified by:	Approved by:
Dr.Soni P M Event in-charge	Dr. Antony Jose Director,Naipunnya Center for Research	Rev. Dr. Paulachan.K. J. Principal

NAIPUNNYA INSTITUTE OF MANAGEMENT AND INFORMATION TECHNOLOGY
Naipunnya
Pongam,Koratty East
Thrissur District
Kerala-680 308

BROCHURE



NAIPUNNYA INSTITUTE OF MANAGEMENT AND INFORMATION TECHNOLOGY
Naipunnya
Pongam,Koratty East
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Kerala-680 308

PROGRAM SCHEDULE

Research Workshop - AI Tools for Research and Writing

PROGRAMME SCHEDULE

Date: 11-09-2025

Time: 2.30 – 4.00 p.m.

Venue: Main Block, Seminar Hall

Introduction by MC	:	**Ms.Gigy Johnson (Asst.Professor , Dept.of English and FEP Coordinator)**
Prayer	:	**Ms. Anna Diana (Asst.Professor, Dept.of Computer Science)**
Welcome Address	:	**Dr. Soni P M (Secretary , Naipunnya Centre for Research)**
Session by Resource Person	:	**Dr.Binju Saju (Asso.Professor, Dept.of AI and Data Science, Adi Sankara Institute of Engineering and Technology, Kalady)**
Vote of Thanks and Feedback	:	**Ms.Bindhu G (Asso.Professor, Dept.of Commerce)**

National Anthem

****

RESOURCE PERSON'S PROFILE



Name: Dr. BINJU SAJU
Designation: Asso.Professor

Profile

Scopus ID:57219650201

ORCID ID:0000-0002-3514-9863

ACADEMIC DETAILS

- Dec-2019- Jan 2024 ***PhD in Image Processing and Machine Learning***, Christ (Deemed to be University), Bangalore , India
- July-2009 - May-2012 ***Master of Computer Applications*** , Rajagiri College of Social Science, Cochin India , ***71.75%***
- June-2006 - March-2009 ***BSc Computer Science***, Naipunnya Institute of Management and Information Technology, Thrissur , India , ***80%***

SKILLS

- C/C++/Java/PHP/JavaScript,/HTML/CSS
- Python programming, R Programming, MATLAB
- Machine Learning, Deep Learning, Computer Vision
- İmage Processing, Pattern Recognition
- DATABASE: MYSQL and SQL server.

PUBLICATIONS (H INDEX: 6)

- Saju, B.., & R, R. (2023). An Image Quality Selection and Effective Denoising on Retinal Images Using Hybrid Approaches. International Journal on Recent and Innovation Trends in Computing and Communication, 11(5), 170–180. https://doi.org/10.17762/ijritcc.v11i5.6603

- Saju B, Tressa N, Dhanaraj RK, Tharewal S, Mathew J C, Pelusi D. Effective multi-class lung disease classification using the hybrid feature engineering mechanism. Math Biosci Eng. 2023 Nov 7;20(11):20245-20273. doi: 10.3934/mbe.2023896. PMID: 38052644.

- Binju Saju and Rajesh R, "Eye-Vision Net: Cataract Detection and Classification in Retinal and Slit Lamp Images using Deep Network" International Journal of Advanced Computer Science and Applications(IJACSA), 13(12), 2022. http://dx.doi.org/10.14569/IJACSA.2022.0131227

- Saju, B., & Rajesh, R. (2022). Denoising and contrast enhancement of normal eye images and slit lamp images of cataract using optimized deep learning model. International Journal of Health Sciences, 6(S5), 833–852. https://doi.org/10.53730/ijhs.v6nS5.8764

- Saju, B., Rajesh, R. (2022). A Comprehensive Study on Computer-Aided Cataract Detection, Classification, and Management Using Artificial Intelligence. In: Saraswat, M., Sharma, H., Balachandran, K., Kim, J.H., Bansal, J.C. (eds) Congress on Intelligent Systems. Lecture Notes on Data Engineering and Communications Technologies, vol 114. Springer, Singapore. https://doi.org/10.1007/978-981-16-9416-5_25

SCOPUS INDEXED/SORINGER CONFERENCE PAPER PRESENTATION (45 papers)

- Saju, B., Paul, A.M., Aswathy, S., Sandra, A.K., Rajaraman, P.V., Dili, G. (2025). Intensified Feature Engineering-Based Composite Model for Predicting Lung Diseases. In: Mumtaz, S., Rawat, D.B., Menon, V.G., Kumar, A. (eds) Proceedings of the Third International Conference on Computing, Communication, Security and Intelligent Systems. IC3SIS 2024 2024. Algorithms for Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-96-0228-5_8

- Saju, B., Ajayan, A., Jyothisha, M., Karthik, P.S., Rajaraman, P.V., Nair, A.M. (2025). Enhanced Feature Extraction-Based Optimized DL Model for Detection of Kidney Disease. In: Mumtaz, S., Rawat, D.B., Menon, V.G., Kumar, A. (eds) Proceedings of the Third International Conference on Computing, Communication, Security and Intelligent Systems. IC3SIS 2024 **2024. Algorithms for Intelligent Systems. Springer, Singapore. https://doi.org/10.1007/978-981-96-0228-5_9**

- B. Saju, V. Asha, A. Prasad, V. A, A. S and S. P. Sreeja, "Prediction Analysis of Hypothyroidism by Association," 2023 Third International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT), Bhilai, India, 2023, pp. 1-6, doi: 10.1109/ICAECT57570.2023.10117641.

- B. Saju, V. Asha, S. C. Murali, V. D, V. Kumar and B. Nithya, "ML based Prototype for Skin Cancer Detection," 2022 3rd International Conference on Communication, Computing and Industry 4.0 (C2I4), Bangalore, India, 2022, pp. 1-6, doi: 10.1109/C2I456876.2022.10051378.

- B. Saju, L. Thomas, F. Varghese, A. Prasad and N. Tressa, "Deep Learning-Based Brain Tumor Classification Prototype Using Transfer Learning," 2023 International Conference on Advances in Intelligent Computing and Applications (AICAPS), Kochi, India, 2023, pp. 1-7, doi: 10.1109/AICAPS57044.2023.10074201.

- B. Saju, V. Asha, A. Prasad, H. K. P, R. V and A. P. Nirmala, "Heart Disease Prediction Model using Machine Learning," 2022 International Conference on Automation, Computing and Renewable Systems (ICACRS), Pudukkottai, India, 2022, pp. 723-729, doi: 10.1109/ICACRS55517.2022.10029273.

- B. Saju, M. K. Gopal, B. Nithya, V. Asha and V. Kumar, "Analysis on Role of Quantum Computing in Machine Learning," 2022 Fourth International Conference on Cognitive Computing and Information Processing (CCIP), Bengaluru, India, 2022, pp. 1-8, doi: 10.1109/CCIP57447.2022.10058679.

- B. Saju, V. Asha, A. Prasad, V. A, A. S and S. P. Sreeja, "Prediction Analysis of Hypothyroidism by Association," 2023 Third International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT), Bhilai, India, 2023, pp. 1-6, doi: 10.1109/ICAECT57570.2023.10117641.

- B. Saju, S. Jose and A. Antony, "Comprehensive Study on Sentiment Analysis: Types, Approaches, Recent Applications, Tools and APIs," 2020 Advanced Computing and Communication Technologies for High Performance Applications (ACCTHPA), Cochin, India, 2020, pp. 186-193, doi: 10.1109/ACCTHPA49271.2020.9213209.

BOOKS PUBLISHED

- Insight to Web Programming, ISBN: 9798888334430
- Virtual Reality- The Incredible Technology, ISBN: 9798888330456
- Digital Image Processing, ISBN: 9798888332757



EDITOR - INTERNATIONAL/ SCOPUS INDEXED BOOKS PUBLISHED

- Next-Gen Farming: Exploring Generative AI for Collaborative Robots(Cobots) in Agriculture 6.0, IGI Global

DESIGN PATENTS

- Deep learning aided device to evaluate mental state of a person (454402-001)
- Solar Powered plant hydration monitoring device (456975-001)

PATENTS PUBLISHED

- A Framework and Method for Clothing Customization Through Virtual Outfit Designing 202241047189 Automatic Room Light Controller Using Visitor Counter- 202241047188
- A Novel, Secure and Smart Automation System to Assist Aged and Disabled in Home Environment 202241047200
- A Novel System Dreamzaa [Speech to Anime] Using Ml, Python, React-Native and Java 202241047216
- Live Weather Station Monitoring system using Esp8266-202241047222
- ML Based Prototype for Skin Cancer Detection, 202341020860
- Real Time Sign Language Detection, 202341020874
- Covid-19 Detection on chest x-ray using Deep learning, 202341020898
- ML Based Prototype for Image Cartooning, 202341020937

CERTIFICATIONS

- AICTE/CDAC certified HPC Master Trainer
- Advanced Certification in Data Science and AI- IIT Madras
- Information Security-University of London.
- Python – University of Michigan.
- Microsoft Certification (Microsoft Technology Associate – MTA) for Introduction to Programming using HTML and CSS

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PHOTOGRAPHS /SCREENSHOTS









PARTICIPANT'S LIST

Sl. No.	Name	Signature
1	Rev. Fr. Dr. Paulachan K. J	
2	Fr. Jimmy Kunnathoor	
3	Fr. Tony Manickathan	
4	Ms. Teresa Parackal	
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11	Ms. Rejitha Sanilkumar	
12	Dr. Sonia.S	
13	Ms. Neethu Valsan	

14	Dr. Gayathri K	
15	Ms. Mary J Rose	
16	Dr. Purnima S Kumar	
17	Mr. Philip P J	
18	Ms. Gigy Johnson	
19	Ms. Emil George	
20	Ms. Annie Sebastian	
21	Dr. Viji Vijayan	
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23	Dr. Veena Vijaya	
24	Ms. Sabina George	
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26	Dr. Dhanumol C M	
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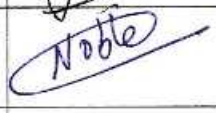
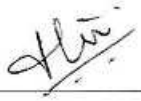
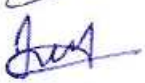
28	Ms. Bindu Muraleedharan	

29	Ms. Anitha Mary Alex	
30	Ms. Kavitha Vincent	
31	Ms. Noble Shaiju	
32	Dr. Joy Joseph Puthussery	
33	Dr. Antony George	
34	Ms. Mini Joshy	
35	Ms. Roseland P M	
36	Mr. Joseph James	
37	Ms. Vandana C H	
38	Ms. Jissmol Varghese	
39	Dr Fairooz Ashareff	
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43	Ms. Rinku Kunjachan Vithayathil	

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45	Ms. Kripa Suresh	
46	Dr. Remya Cheriyan	
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50	Mr. John Kizhakuden	
51	Mr. Anand Thomas	
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55	Mr. Tilvin Sabu	
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58	Ms. Nayana Paul	

59	Ms. Rose Mary Joby (Part Time)	
60	Mr. Prabhakaran K G	
61	Mr. Praveen Antony	
62	Mr. Rajan P.P	
63	Ms. Misouti Sarkar	
64	Mr. Vinu Vijayan	
65	Mr. Jinson P S	
66	Mr. Jayakrishnan S	
67	Ms. Shajitha T B	
68	Ms. Sarithadevi S	
69	Dr. Deepak K V	
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72	Ms. Stinphy Maxon	
73	Dr. Soni P. M	

74	Ms. Anna Diana K. M	
75	Ms. Neenu Thomas	
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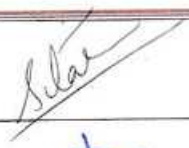
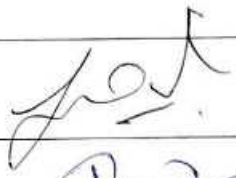
78	Mr. Haarrish Sabu	
79	Mr. Deny P Francis	
80	Mr. Athul P.D.	
81	Ms. Jesteena Joy	
82	Ms. Aswathi M R	
83	Mr. Shaju P. M	
84	Mr. Sanith Joseph	
85	Mr. Gladson George	
86	Dr. Jose Poulose	
87	Ms. Greeshma Valsan	
88	Mr. Ranjith Rajappan	



89	Dr. V. R. Sitara	
90	Mr. Johny P O	
91	Ms. Megha A	
92	Ms. Alakananda	
93	Ms. Niya Scaria	
94	Ms. Joyshree Mondal	
95	Ms. Reni V Kalayil	
96	Fr. Siju Varghese	
97	Ms. ~~Aneeta~~ Anitta Jaison	
98	Dr. Jacob P M	
99	Dr. Nijo Varghese	
100	Fr. Baiju	
101	Dr. Suraj E S	
102	Fr. Ajo Moothedan	
103	Dr. Jeena Antony	

104	Adv. Jacob John	
105	Ms. Harishree N.Kumar	
106	Mr. Nikhil Varghese	

107 Ms. Neethu · K · N