

June 13, 2025 12:27:11 PM

# JOURNAL OF TECHNOLOGY

ISSN 1012-3407

ARCHIVES 

PAST ISSUES

JOURNAL OF TECHNOLOGY

EDITORIAL BOARD

SPECIAL ISSUE

GUIDELINES 

CALL FOR PAPERS



MAIL  
US

CURRENT ISSUE

PROPOSALS

REACH US

Home / VOLUME 13 ISSUE 5, 2025

## VOLUME 13 ISSUE 5, 2025



### 1. **Design and Modification of Bench Vice by Increasing the Degrees of Freedom**

**Mr. A. S. Kadam, Mr. R. M. Rupanawar, Mr. T. V. Daundkar, Prof. V. V. Saidpatil, Mr. S. R. Tanpure**

NBN Sinhgad School Of Engineering Pune, Maharashtra

Page No:-1-4

DOI:18.15001/JOT.2025/V13I5.25.1432

### 2. **Authorized Public Auditing of Dynamic Storage on Cloud with Efficient Verifiable Fine-Grained Updates with MHT**

**Mayur Lokhande, Supriya Kapse, Sonali Darekar, Mahesh Sonawane**

S.P. Pune University, Pune, India.

Page No:-5-9

DOI:18.15001/JOT.2025/V13I5.25.1434

### 3. **Comparing the Structural and Electrical Properties of Barium Hexaferrite after Substituting Co-Sn and Zn -Sn**

**Vaishali Soman**

Priyadarshini Indira Gnadhi College of Engineering, Nagpur

**Vijay V. Soman**

S. M. Mohota College of Science, Nagpur, Maharashtra

Page No:-10-12

DOI:18.15001/JOT.2025/V13I5.25.1435

### 4. **A Study Paper on IDS Attack Classification Using Various Data Mining Techniques**

**Sneha Kumari, Maneesh Shrivastava**

LNCT, Bhopal, India.

Page No:-13-18

DOI:18.15001/JOT.2025/V13I5.25.1436

### 5. **Agrovision: Enhancing Agricultural Precision through Machine Learning**

**Sindhu K S, Abhishek K V, Akhil Teotia, Chandan K, Likhith H V**

Malnad College of Engineering Hassan-573202, India.

Page No:-19-23



DOI:18.15001/JOT.2025/V13I5.25.1437

## 6. **Influence of Airfoil Geometry on Aerodynamic Performance for Small Wind Turbines**

**Mr. Atul Namdeorao Gowardipe**

Shrikrishna University, Chhatarpur-471001, Madhya Pradesh, India.

**Dr. Sanjay D. Nikhade**

Sandip Institute of Technology and Research Centre, Nashik-422213, Maharashtra, India.

Page No:-24-33

DOI:18.15001/JOT.2025/V13I5.25.1438

## 7. **Prediction of Different Water Quality Parameters using Regression Model**

**Paragkanti Chattopadhyay, Sumit Banerjee, Debasis Guha, Sourav Bhattacharya**

Dr. B. C. Roy Engineering College, Durgapur

**Chandan Kumar Chanda**

Indian Institute of Engineering Science and Technology, Shibpur (IEST)

Page No:-34-55

DOI:18.15001/JOT.2025/V13I5.25.1439

## 8. **A Smart Agriculture Software For Crop Forecasting Using MLAlgorithm**

**Sindhu K S, Ankitha T, Advait H N, Chidananda B N, Ganesh H**

Malnad College of Engineering Rangoli Haala, Hassan Karnataka,573202.

Page No:-56-65

DOI:18.15001/JOT.2025/V13I5.25.1440

## 9. **A Survey On Crop Prediction In Agriculture Sector Using MLAlgorithm**

**Sindhu K S, Ankitha T, Advait H N, Chidananda B N, Ganesh H**

Malnad College of Engineering Rangoli Haala, Hassan Karnataka,573202.

Page No:-66-77

DOI:18.15001/JOT.2025/V13I5.25.1441

## 10. **Role of WHO in Pharmacovigilance and Healthcare System**

**Aditya Nichal, Aditya Gawande, Danish Ahmed, Ajay Wagh, Ajay Tayde, Manisha Jawale, Prakash Kendre, Shirish Jain**



Rajarshi Shahu College of Pharmacy, Buldhana 443001, MS, India.

Page No:-78-94

DOI:18.15001/JOT.2025/V13I5.25.1442

### **11. Unlocking the Pharmacological Potential of Annona squamosa Root : A Phytochemical and Biological Investigation**

**Mrs. Keerthiga Kirubanithy, Ms. Cibiraya Ganesan, Ms. Karunya Parthasarathy, Dr. Aniskumar Mani**

V.S.B Engineering College (Autonomous), Karur, Tamil Nadu, India-639111

Page No:-95-118

DOI:18.15001/JOT.2025/V13I5.25.1443

### **12. Multi-Agent QLoRA-Optimized LLMs for Personalized Healthcare**

**M Nithyashree, Krupa P. Nadgir, Pavithra N, Dr. Sindhu D. V.**

R.V. College of Engineering Bengaluru, India.

Page No:-119-128

DOI:18.15001/JOT.2025/V13I5.25.1443

### **13. Role-Based Campus Engagement System Using Flutter and Firebase**

**Shruti V. Bartakke, Shashikant V. Athawale, Akanksha M. Bhandare, Vishvesh M. Chavan, Atharva S. Virkar**

AISSMS College of Engineering, Savitribai Phule Pune University, Pune, India.

Page No:-129-136

DOI:18.15001/JOT.2025/V13I5.25.1444

### **14. Navigating the Complex Landscape of Clinical Trials: A Comprehensive Overview of Regulatory Aspects and Historical Evolution**

**Parag A. Zungre, Nilesh N. Nagre, Om S. Khandare, Omkar P. Chavan, Pranav B. Patond, Prakash Kendre, Somnath Vibhute, Manisha R. Jawale, Shivshankar M. Nagrik, Shirish Jain**

Rajarshi Shahu College of Pharmacy ,Buldhana, Maharashtra, India.

Page No:-137-177

DOI:18.15001/JOT.2025/V13I5.25.1445



### **15. Blood Group Detection Using Fingerprint Images**

**Vidya Waykule, Sakshi Amrutkar, Om Jadhav, Vardhman Jain, Titiksha Jawale**

AISSMS College of Engineering, Pune

Page No:-178-182

DOI:18.15001/JOT.2025/V13I5.25.1446

### **16. Comprehensive Review of LMS and NLMS Algorithms for Adaptive Noise Cancellation**

**Siddhant Kumar Maurya, Saurabh Singh, Saksham Singh, Shubham Bhardwaj**

Greater Noida Institute of Technology Greater Noida

Page No:-183-191

DOI:18.15001/JOT.2025/V13I5.25.1447

### **17. Validation of A Reverse-Phase High-Performance Liquid Chromatography Method for The Quantitative Analysis of Lesinurad**

**Sharad. V. Usnale, Aashiya J. Tamboli, Sidheshwar S. Patil, Santosh P. Kumbhar**

Maharashtra College of Pharmacy, Nilanga Dist. Latur

Page No:-192-208

DOI:18.15001/JOT.2025/V13I5.25.1448

### **18. Enhancing Real Time Attendance Systems with Anti-Spoofing and Liveness Detection**

**Gaurav S. Lonkar, Shashikant V. Athawale, Ria R. Rao, Saurav S. Lonkar, Atharva V. Kunde**

AISSMS College of Engineering, Savitribai Phule Pune University, Pune, India

Page No:-209-220

DOI:18.15001/JOT.2025/V13I5.25.1449

### **19. Evaluation of Bioactive Molecules from Quercus incana for Wound Healing Activity using Fibroblast Cell Line: A Review**

**Mrs. Keerthiga Kirubanithy, Mr. Vasanth Sundararajan, Mr. Mahaganapathi Mathiyalagan, Mr. Renganathan Baskaran, Mafaz Nazeerdeen, Dr. Aniskumar Mani**

V.S.B Engineering College (Autonomous), Karur, Tamil Nadu, India-639111

Page No:-221-243

DOI:18.15001/JOT.2025/V13I5.25.1450



## 20. **WebScrapeX: Unearthing Data Nuggets for Insightful Analysis**

**Prof. Yuvraj Suryavanshi, Prashant Dhole, Mrunal Raundale, Om Pophale, Ahetesham Khan**

JD College of Engineering and Management, Petri Nagpur, Maharashtra, India

Page No:-244-247

DOI:18.15001/JOT.2025/V13I5.25.1451

## 21. **Ensemble Learning for the Grievance Categorization**

**Prajwal Dwivedi, Mohini Rana, Jay Shankar Prasad**

Greater Noida Institute of Technology, Greater Noida, India

Page No:-248-254

DOI:18.15001/JOT.2025/V13I5.25.1452

## 22. **Evaluation of the Performance of a Distributed Generation By Optimization Technique Along with Reliability Analysis**

**Sanjoy Kumar Saha**

Dr B C Roy Engineering College Durgapur

Page No:-255-269

DOI:18.15001/JOT.2025/V13I5.25.1453

## 23. **Face Recognition System**

**Himanshi Chaudhary, Nitin Goyal**

Galgotias University, Greater Noida Uttar Pradesh India

Page No:-270-273

DOI:18.15001/JOT.2025/V13I5.25.1454

## 24. **Augmented Reality (AR) based E-Commerce Platform with 360 View and Virtual Tour**

**Bristidev Burman, Mafuja Khatun, Arnab Maity, Biki Banerjee, Debanjan Pan, Sourish Mitra**

Guru Nanak Institute of Technology, Kolkata, West Bengal India.

Page No:-274-282

DOI:18.15001/JOT.2025/V13I5.25.1455



**25. Vocational Training for Visually Impaired People****Nisarga GD, Shruthi DV, Nishchitha H, Punya K, Rifa Eram**

Malnad College of Engineering Hassan-573202, India.

Page No:-283-288

DOI:18.15001/JOT.2025/V13I5.25.1456

**26. Developing A Social Platform Using Mern Stack****Ashish Kumar Gupta, Gourav Kumar, Aman Ali**

Galgotia College of Engineering and Technology kp- 2, gr. Noida, UP

Page No:-289-293

DOI:18.15001/JOT.2025/V13I5.25.1457

**27. Process Validation with Product Lifecycle Containing Antipsychotic Drug****Prathmesh R. Kale, Kalyani N. Bondre, Swapnil D. Dhakne, Vaishnavi V. Chavan, Prof. Satish Shelke, Dr. Dipak Bhusari, Dr. Shirish Jain**

Rajarshi Shahu College of Pharmacy Buldhana, Maharashtra, India. 443001

Page No:-294-330

DOI:18.15001/JOT.2025/V13I5.25.1458

**28. Challenges in Agricultural marketing in India: An analysis****Raosahab Bapurao Shid, Harshada Sameer Chirmure**

Dr D Y Patil College of Agriculture Business Management, Akurdi , Pune

Page No:-331-336

DOI:18.15001/JOT.2025/V13I5.25.1459

**29. Stress Detection Using Machine Learning Algorithms****Sameer Bhati, Lokesh Kr. Sengar, Dr. Devendra Kumar**

Galgotias University, Greater Noida, Uttar Pradesh, India.

Page No:-337-344

DOI:18.15001/JOT.2025/V13I5.25.1460

**30. Drug Safety Review of India's 2024 Ban on 156 Fixed Dose Combinations****Ashay Bhawane, Akash Dalvi, Ashish Sathe, Aniket Jadhao, Atul Rathod, Manisha Jawale, Prakash Kendre, Shirish Jain**

Rajarshi Shahu College of Pharmacy, At Malvihir, Buldana, Maharashtra, India.

Page No:-345-658

DOI:18.15001/JOT.2025/V13I5.25.1461

### 31. **AI Based Smart Farming Prediction System**

**Sumedh G. Dhengre, Saurabh Asole, Mayank Diwate, Anurag Deshmukh, Tejas Desai**

AISSMS College of Engineering Pune, Maharashtra India.

Page No:-359-370

DOI:18.15001/JOT.2025/V13I5.25.1462

### 32. **A Review on Unveiling the Science of Pellet Formulation and Testing**

**Shrikant A. Chavan, Prakash Kendre, Shirish Jain**

Rajarshi Shahu College of Pharmacy, Buldhana 443001, MS, India.

Page No:-371-390

DOI:18.15001/JOT.2025/V13I5.25.1463

### 33. **Image Based Vitamin Deficiency Detection Using Expectation-Maximization Clustering**

**Aniket Bhosale, Sanket Dadali, Aniket Kashid, Aniket Bidgar**

AISSMS College of Engineering, Pune, Maharashtra, India.

Page No:-391-397

DOI:18.15001/JOT.2025/V13I5.25.1464

### 34. **An Eco- Friendly Corrosion Inhibitor: Cyperus Rotundus Root Extract for the Corrosion of the Brass in Nitric Acid Environment**

**Shivani Kosada, Athira Moothandassery, Mahendrasinh Mahida**

Sir PT Sarvajanic College of Science, Veer Narmad South Gujarat University, Surat-395007, Gujarat, India.

Page No:-398-418

DOI:18.15001/JOT.2025/V13I5.25.1465

### 35. **Formulation, Characterization, and Evaluation of Multifunctional Herbal Skincare Products Using Butterfly Pea (*Clitoria ternatea*) Extract for Anti-Aging, Sun Protection, and Skin Brightening Applications**



**Sakshi Badwade, Somnath Vibhute, Shirish Jain**

Rajarshi Shahu college of pharmacy, Buldhana 443001, MS, India.

Page No:-419-430

DOI:18.15001/JOT.2025/V13I5.25.1466

**36. An Investigative Study of Mentha Piperita Leaves as Eco-Friendly Corrosion Inhibitor of Copper in Nitric Acid Medium****Athira Moothandassery, Shivani Kosada, M.B Mahida**

Sir P.T Sarvajanic College of science, Surat-395007, Gujarat, India, Veer Narmad South Gujarat University, Surat-395007, Gujarat, India.

Page No:-431-445

DOI:18.15001/JOT.2025/V13I5.25.1467

**37. Nose-to-Brain Drug Delivery: A Comprehensive Review of Pathways, Formulations, and Therapeutic Potential****Patil S. S, Kulkarni Y. P, Jadhav D. A, Magar P. V, Satpute K. L.**

Dayanand Education Society's Dayanand College of Pharmacy, Latur-413512, Maharashtra, India.

Page No:-446-458

DOI:18.15001/JOT.2025/V13I5.25.1468

**38. Identification and Classification of Plant Diseases for Tomato Crop: A Review****Vidya V Waykule, Dr. Dattatray S Bormane**

AISSMS College of Engineering, Savitribai Phule University, Pune, Maharashtra, India.

Page No:-459-474

DOI:18.15001/JOT.2025/V13I5.25.1469

**39. Enhancing Concrete Performance Using Fiber Reinforcement: A Solution to Conventional Limitations****Mr. Sachin Balasaheb Itape**

Sharadchandra Pawar College of Engineering & Technology Someshwarnagar

Page No:-475-479

DOI:18.15001/JOT.2025/V13I5.25.1470

**40. Shuttle4Space -Space Renting System using Blockchain**

**Ankita Karia, Aslin Dcunha, Avron Souto, Callahan Carvalho, Alroy Rodrigues**

St Francis Institute of Technology Mumbai, India.

Page No:-480-485

DOI:18.15001/JOT.2025/V13I5.25.1471

#### 41. **Air Sense Using AI**

**Saumya, Namrata Ghosh, Aishanee Chandra, Dr. Saumya Chaturvedi**

Greater Noida Institute of Technology, Gautam Buddha Nagar, UP, India.

Page No:-486-492

DOI:18.15001/JOT.2025/V13I5.25.1472

#### 42. **A Novel Approach for Energy Consumption Forecasting using ARIMA Model**

**Osama Bin Reyaz, Abadhan Saumya Sabyasachi, Devesh Kumar Shukla**

Galgotias University, Greater Noida, Uttar Pradesh, India.

Page No:-493-498

DOI:18.15001/JOT.2025/V13I5.25.1473

#### 43. **Secure Electronic Health Record Using Blockchain**

**Devansh Verma, Gautam Singh Rawat, Siddharth Panwar**

Galgotias College of Engineering and Technology, Greater Noida, Gautam Budh Nagar, Uttar Pradesh

Page No:-499-502

DOI:18.15001/JOT.2025/V13I5.25.1474

#### 44. **English Text-to-Sign Language Translation**

**Vishesh Verma, Viraz Anand Gupta, Sumit Rawat, Simran Sood, Ms. Nikita**

Greater Noida Institute of Technology Greater Noida

Page No:-503-515

DOI:18.15001/JOT.2025/V13I5.25.1475

#### 45. **Integrating Deep Learning and GRAD-CAM for Enhanced Alzheimer's Disease Detection in MRI Images**

**Dosti Rathi, Harshita Pandey, Sayan Sanyal, Koushani Choudhury, Adity Karmakar, Deeganta Bhattacharjee, Sayani Chandra**



Guru Nanak Institute of Technology, Kolkata, West Bengal India.

Page No:-516-520

DOI:18.15001/JOT.2025/V13I5.25.1476

**46. Development and Validation of a Reverse Phase-High-Performance Liquid Chromatography (RP-HPLC) Method for the Estimation of Darunavir in Bulk and Tablet Dosage Form**

**Pawan B. Biradar, Dr. Santosh P. Kumbhar, Dr. Siddheshwar S. Patil**

Maharashtra College of Pharmacy, Nilanga

Page No:-521-534

DOI:18.15001/JOT.2025/V13I5.25.1477

**47. Development and Validation of a Reverse Phase-High-Performance Liquid Chromatography (RP-HPLC) Method for the Estimation of Lumacaftor in Bulk and Tablet Dosage Form**

**Shital S. Davane, Dr. S. S. Patil, P. H. Shaikh, Pawan B. Biradar**

Maharashtra College of Pharmacy, Nilanga

Page No:-535-548

DOI:18.15001/JOT.2025/V13I5.25.1478

**48. Quantum Dots: A Multifaceted Tool in Pharmaceutical Sciences, Strategical Application, Future Scope, and Challenges**

**Jaideep R. Dethe, Dr. Ashish A Gawai, Dr. Shrish Jain**

Rajarshi Shahu college of pharmacy, Buldhana 443001, MS, India.

Page No:-549-561

DOI:18.15001/JOT.2025/V13I5.25.1479

**49. Advancing Fast-Track Infrastructure: Optimizing Resources, Time, And Cost Through Mechanized Form-Work Systems**

**Mr Santosh Appaso Bobade, Prof Manisha Jamgade**

Pillai HOC College of Engineering and Technology, HOCL Educational Campus, HOCL Colony Rasayani, Tal. Khalapur, Dist. Raygad 410207, Maharashtra, India.

Page No:-562-570

DOI:18.15001/JOT.2025/V13I5.25.1480



### 50. **Prediction of Different Air Pollution Parameters using Machine Learning Approach**

**Paragkanti Chattopadhyay, Sumit Banerjee, Sourav Bhattacharya**

Dr. B. C. Roy Engineering College, Durgapur

**Chandan Kumar Chanda**

Indian Institute of Engineering Science and Technology, Shibpur (IIEST)

Page No:-571-585

DOI:18.15001/JOT.2025/V13I5.25.1481

### 51. **Detection and Classification of Faulty Solar Panels Using Artificial Intelligence**

**Navnath Gite, Aryan Gaikwad, Amol Jagtap, Aniket Darade, Sudesh Hirave**

AISSMS College of Engineering Pune, India.

Page No:-586-595

DOI:18.15001/JOT.2025/V13I5.25.1482

### 52. **Synthesis and Investigation of Electrical and Gas Sensing Properties of Cu-TiO<sub>2</sub> Nanocomposite**

**Rohini Rajdatta Kadam, Deepashree Dinkar Kambale, Alisha K. Khan, Dr. Shamroa Tanaji Disale, Dr. Suresh Digambar Huse, Dr. Nandakishor S. Chandan**

Siddhartha College of Arts, Commerce and Science, Mumbai, India, 400023.

**Rohini Rajdatta Kadam, Deepashree Dinkar Kambale, Alisha K. Khan, Dr. Shamroa Tanaji Disale**

Kankavli College, Kankavli, M. S., India 416602

Page No:-596-607

DOI:18.15001/JOT.2025/V13I5.25.1483

### 53. **Oral Antiulcer Tooth Cap**

**Komal Sunil Takalkar, Prof. Zameer Shah, Dr. Shivshankar Mhaske, Sakshi Anant Tathe, Mayuri Shantaram Pachpol**

Satyajeet College Of Pharmacy, Mehkar

Page No:-608-628

DOI:18.15001/JOT.2025/V13I5.25.1484



#### 54. **Comparative Study of CNN and EfficientNet Architectures for Skin Lesion Classification**

**Gaikwad Harshwardhan, Bhosale Atharva, Basugade Tushar, Babalsure Krushnakant**

All India Shree Shivaji Memorial Society's College of Engineering Pune

Page No:-629-632

DOI:18.15001/JOT.2025/V13I5.25.1485

#### 55. **Customer Churn Prediction using Machine Learning**

**Akanksha Mishra, Raman Singh Raghuvanshi**

Galgotias University Greater Noida, Uttar Pradesh

Page No:-633-642

DOI:18.15001/JOT.2025/V13I5.25.1486

#### 56. **Predicting Customer Churn: A Machine Learning Approach for Business Optimization**

**Aastha, Naina Singh**

Galgotias University Greater Noida, Uttar Pradesh

Page No:-643-651

DOI:18.15001/JOT.2025/V13I5.25.1487

#### 57. **COVID-19 Analysis Using Machine Learning**

**Aditya Sarkar, Abhishek Raj, Dr. S Karpaga Selvi**

Galgotias University Greater Noida, India.

Page No:-652-659

DOI:18.15001/JOT.2025/V13I5.25.1488

#### 58. **Innovations in Edible Technology: Crafting Sugar-Free Polyherbal Gummies for Diabetics**

**Nikita Durgadas Ambhore, Dr. Harshal Anwane, Dr. Shivshankar Mhaske, Shreya Anil Wadbudhe, Ganesh V.Shelke, Gayatri Ingle, Pallavi Santosh Tale, Vaishnavi Nagrik, Priyanka Thokare, Vaishnavi Borey**

Satyajeet College of Pharmacy, Mehkar

Page No:-660-680

DOI:18.15001/JOT.2025/V13I5.25.1489



**59. Formulation and Evaluation of Herbal Sunscreen Cream**

**Sanjana Rajkumar Dupare, Dr. Shivshankar Maske, Vikas Gawande, Rutuja Gajanan Wagh, Vaishnavi Raju Deionghe**

Satyajeet College of Pharmacy, Khandala, Mehkar

Page No:-681-705

DOI:18.15001/JOT.2025/V13I5.25.1490

**60. Electric Field Distribution in Polymer Insulators under Icing Conditions: A Numerical Perspective**

**V.S.N.K. Chaitanya, N. Sagar Teja Yadav, C. Naga Kota Reddy, K. Vijaya Bhanu, J. Jyothsna**

UCEK, Jawaharlal Nehru Technology University Kakinada.

Page No:-706-711

DOI:18.15001/JOT.2025/V13I5.25.1491

**61. Performance Analysis of a Five-Level NPC Inverter Using Hybrid PWM Technique**

**N. Sagar Teja Yadav, V S N K Chaitanya, C. Naga Kota Reddy, K. Vijaya Bhanu, J. Jyothsna**

University college of Engineering Kakinada, Kakinada, India.

Page No:-712-719

DOI:18.15001/JOT.2025/V13I5.25.1492

**62. Development and Evaluation of Topical Antivenom Cream For The Treatment of Scorpion Bite**

**Rutuja Gajanan Wagh, Dr.shivshankar D. Mhaske, Prof. Vikas K. Gawande, Sanjana Rajkumar Dupare, Vaishnavi Raju Dhondge**

Satyajeet College of Pharmacy, Mehkar

Page No:-720-758

DOI:18.15001/JOT.2025/V13I5.25.1493

**63. Lung Cancer Disease Prediction**

**Aryan Tomar, Deepanshu Tomar, Pravej Alam**

Galgotias University Greater Noida, India.

Page No:-759-763



DOI:18.15001/JOT.2025/V13I5.25.1494

#### 64. **Toxicity of Formaldehyde – Biochemical and Enzymatic Changes in Labeo Rohita Tissues**

**Dr. B. Dilshad Begum, Farheen Khanam. N**

Justice Basheer Ahmed Sayeed College for Women (Autonomous), Chennai 600018, Tamil Nadu, India

Page No:-764-772

DOI:18.15001/JOT.2025/V13I5.25.1495

#### 65. **Sunscreens and Skin Cancer – Protection or Potential Risk? (Formulation of Herbal Sunscreens )**

**Gauri Dilip Chahakar, Prof. Vikas Gawande, Dr. Shivshankar Mhaske, Prof. Pankaj Fitwe, Anjali Bawaskar, Kalyani Wagh, Mayuri Pachpol, Ganesh Wagh, Shreya Anil Wadbudhe**

Satyajeet College of Pharmacy, Mehkar

Page No:-773-798

DOI:18.15001/JOT.2025/V13I5.25.1496

#### 66. **Chatbot Using NLP**

**Ayush Asthana, Abhishek kumar, Adarsh Srivastava, Dr. Aurobind kar**

Galgotias University Greater Noida, India.

Page No:-799-806

DOI:18.15001/JOT.2025/V13I5.25.1497

#### 67. **Drowsiness Detection in Drivers to Reduce Road Accidents**

**Ritik Chaudhary, Keshav Saini**

Galgotias University Greater Noida, India.

Page No:-807-811

DOI:18.15001/JOT.2025/V13I5.25.1498

#### 68. **A Real-Time Pizza Delivery Service That Is Comprehensive**

**Suyash Kashyap, Sanjeev Kumar Singh, Brijesh Singh**

Galgotias University, India

Page No:-812-818



DOI:18.15001/JOT.2025/V13I5.25.1499

### 69. **Phishing Detection Using Machine Learning**

**Himanshu Raj, Ansh Rai, Mr. Manish Kumar**

Galgotias University, Greater Noida.

Page No:-819-823

DOI:18.15001/JOT.2025/V13I5.25.1500

### 70. **Formulation and Evaluation of Herbal Shampoo Powder from Chia Seeds**

**Vaishnavi Raju Dhondge, Dr. Shivshankar Mhaske, Prof. Shubham Wankhede, Rutuja Gajanan Wagh, Sanjana Rajkumar Dupare**

Satyajeet College of Pharmacy Khandala, Mehkar

Page No:-824-847

DOI:18.15001/JOT.2025/V13I5.25.1501

### 71. **Herbal Pediatric Chocolate: As A Cognition Enhancer and Immunomodulator**

**Sakshi Anant Tathe, Prof. Santosh Waghmare, Dr. Shivshankar Mhaske, Komal Sunil Takalkar, Mayuri Shantaram Pachpol**

Satyajeet College of Pharmacy Khandala, Mehkar

Page No:-848-870

DOI:18.15001/JOT.2025/V13I5.25.1502

### 72. **Approaches of Nose To Brain Drug Delivery**

**Ankesh R. Uikey, Dr. Prakash N. Kendre, Bhagyashri K. Borkar, Yogesh S. Jadhav, Roshani R. Pail, Dr. Shirish P. Jain**

Rajarshi shahu College of Pharmacy Buldana, Maharashtra, India. 443001

Page No:-871-905

DOI:18.15001/JOT.2025/V13I5.25.1503

### 73. **Formulation and Evaluation of Herbal Jamun Candy**

**Komal Bhaushaheb Mule, Prof. Vikas Gawande, Dr. Shivshankar Mhaske, Shreya Anil Wadbudhe, Minal Chetule, Krishkant Late**

Satyajeet College of Pharmacy Khandala, Mehkar

Page No:-906-928



DOI:18.15001/JOT.2025/V13I5.25.1503

#### **74. Development and Validation of RP-HPLC Method for Estimation of Asenapine in Bulk Drug and Pharmaceutical Dosage Form**

**Madhav A. Shetkar, Rameshwar P. Kasbe, Sidheshwar S. Patil, Santosh P. Kumbhar, Priti D. Makane, Ganesh.D Patil**

Maharashtra College of Pharmacy, Nilanga, Dist. Latur-413521, MS, India.

Page No:-929-944

DOI:18.15001/JOT.2025/V13I5.25.1504

#### **75. Potential Application of Natural Bioactive Components As Antibiotic Agents; Isolated From Novel White Rot Fungal Isolate (Coriolopsis Byrsina) of Tree Barks**

**Dr. M A Sundaramahalingam, B Arun Pandian, M Nagendran, R Elagnsuriyan, J Mohammed Asif, Dr M Aniskumar**

V.S.B. Engineering College, Karur, Tamil Nadu, India.

Page No:-945-964

DOI:18.15001/JOT.2025/V13I5.25.1505

#### **76. Formulation and Evaluation of Herbal Tea**

**Srushti Bhagwat Dhone, Dr. Shivshnkar D. Mhaske, Prof. Atul D. Pawar, Sanjivani Arun Chankhore**

Satyajeet College of Pharmacy Khandala, Mehkar

Page No:-965-986

DOI:18.15001/JOT.2025/V13I5.25.1506

#### **77. FitGenie : Your Personalized Workout Guide**

**Mirza Amir Baig, Harshit Srivastava, Dr. Anil Sharma**

Galgotias University, Greater Noida

Page No:-987-991

DOI:18.15001/JOT.2025/V13I5.25.1507

#### **78. Enhancing Social Media Engagement through AI Chat-bots: A Case Study with Mistral AI and React.js**

**Abhishek Kumar, Rajeev Ranjan Prasad, Mr. Chouhan Kumar Rath**

Galgotias University Greater Noida, India



Page No:-992-996

DOI:18.15001/JOT.2025/V13I5.25.1508

### **79. Review on Efficacy of Silver Nanoparticles From Phyllanthus Emblica As A Potential Therapeutic Agent for Disease Management**

**Ms. Kaviya Manikandan, Ms Renuga Palanisamy, Ms. Madhumitha Kannan, Ms. Sadhana Anthony Raj, Dr. G. Pratap Kumar, Dr. M. Anis Kumar**

V.S.B. Engineering College, Karur, 639111

Page No:-997-1014

DOI:18.15001/JOT.2025/V13I5.25.1509

### **80. Development of Novel Herbal Gel for Oral Ulcer Healing**

**Sanjivani Arun Chankhore, Vikas K. Gawande, Dr. Shivshankar Mhaske, Srushti Bhagwat Dhone**

Satyajeet College of Pharmacy, Mehkar

Page No:-1015-1041

DOI:18.15001/JOT.2025/V13I5.25.1510

### **81. Book Recommendation System Using Machine Learning**

**Niharika Gupta, Yogendra Mishra, Atul Kumar Singh, Ms. Archana**

Galgotias University, Gautam Buddha Nagar, Uttar Pradesh

Page No:-1042-1045

DOI:18.15001/JOT.2025/V13I5.25.1511

### **82. Formulation and Evaluation of Herbal and Natural Supplements for the Management of Insomnia**

**Kalyani Vitthalrao Wagh, Prof. Pawar, Dr. Shivshankar Mhaske, Shreya Anil Wadbudhe, Gauri Dilip Chahakar**

Satyajeet College of Pharmacy, Mehkar

Page No:-1046-1066

DOI:18.15001/JOT.2025/V13I5.25.1512

### **83. The Impact of Food Drug Interaction on Pharmacokinetic of Statin Class Drug and Grapefruit Juice**



**Akash Indrasing Parihar, Prof. Satish Lodhe, Dr. Shivshankar Mhaske, Prafulla Chandrakant Patil, Shreya Anil Wadbudhe**

Satyajeet College of Pharmacy, Mehkar

Page No:-1067-1089

DOI:18.15001/JOT.2025/V13I5.25.1513

**84. Biodegradation of Textile dye by endophytic fungi isolated from Piper betle L and Costus igneus Nak**

**Preetha.G, Ramya. S, Sakthiuma. K, Dr. Kannan Kilavan Packiam**

Bannari Amman Institute of Technology, Sathyamangalam 638401

**Manju Navaneetham**

JCT College of Engineering and Technology, Coimbatore, 641105Tamilnadu, India.

Page No:-1090-1109

DOI:18.15001/JOT.2025/V13I5.25.1514

**85. Synthesis and characterization of Protein Based Zein Hydrogel derived from corn: an Effective Biocompatible Material to Packaging and Cosmetic Industry**

**Dr Balakrishnaraja Rengaraju, Dr Kannan Kilaavan Packiam, K Saranya**

Bannari Amman Institute of Technology, Sathyamangalam, Erode-638401, Tamilnadu, India

**Dr Manju Navaneetham**

JCT College of Engineering and Technology, Coimbatore, 641105Tamilnadu, India.

Page No:-1110-1118

DOI:18.15001/JOT.2025/V13I5.25.1515

**86. Sentimo: Whatsapp Sentiment Analysis Tools**

**Aayushman Sharma, Harsh Tripathi, Mr. Mithlesh Kumar Yadav**

Galgotias University, Greater Noida, India.

Page No:-1119-1125

DOI:18.15001/JOT.2025/V13I5.25.1516

**87. Phishing Website Detection By Machine Learning Techniques**

**Prof. Sonali Nalamvar, Jayant Nannaware, Vivek Patil, Aishwary Rapartiwar, Venkatesh Pedwal**



All India Shree Shivaji Memorial Society's College Of Engineering, Pune

Page No:-1126-1131

DOI:18.15001/JOT.2025/V13I5.25.1517

**88. Review of PLA-Based Composites with Bio-fillers: Recent Research Directions and Applications**

**Dr. N Jaya Chitra, Mrs. R Subalakshmi**

Dr. M.G.R Educational and Research Institute, Chennai, Tamil Nadu 600095

**Dr. Sowjanya Madireddi**

CVR College of Engineering, Hyderabad, Telangana, India 510501

Page No:-1132-1137

DOI:18.15001/JOT.2025/V13I5.25.1518

**89. Impact of Entrepreneurial Education on Entrepreneurial Intention Development of Post graduate students in Mumbai, India**

**Mrs. Sangeeta Mangesh Bhosale, Dr. Bharati Makhijani**

S K Somaiya college, Somaiya Vidyavihar University

Page No:-1138-1154

DOI:18.15001/JOT.2025/V13I5.25.1519

**90. A Study of Factors Causing Stress Among Banking Sector Employees**

**Navneet Kaur, Dr. Manoj Kumar**

Desh Bhagat University, Mandi Gobindgarh

Page No:-1155-1160

DOI:18.15001/JOT.2025/V13I5.25.1520

**91. Production of *Volvariella volvacea* (Bull.) Singer: Toward a Nutritive and Sustainable Food Source**

**Dr. Kousalya Loganathan**

Nirmala College for Women, Coimbatore- 641018, Tamil Nadu, India

Page No:-1161-1166

DOI:18.15001/JOT.2025/V13I5.25.1521



**92. Teacher Education Through an Emotional Lens: Emotional Intelligence and Competence in B. Ed Programs**

**Dr. Bharati Y. Khasnis**

BLDEA's J.S.S College of Education, PG Studies in Education and research Centre, Vijayapur

Page No:-1167-1172

DOI:18.15001/JOT.2025/V13I5.25.1522

**93. ForensicSuite: A Modern Criminal Management System**

**Sandeep Kumar, Rakesh Sharma, Mr. Vinay Dwivedi**

Galgotias University Greater Noida Uttar Pradesh, India

Page No:-1173-1180

DOI:18.15001/JOT.2025/V13I5.25.1523

**94. SAHA: Integrating Artificial Intelligence into Centralized Project Management for Enhanced Team Productivity**

**Manvitha H, Manaswini Simhadri Kavali, Lekhana A, Hemanth Medahal, Dr. Sindhu DV**

R.V. College of Engineering

Page No:-1181-1190

DOI:18.15001/JOT.2025/V13I5.25.1524

**95. Email Spam Classification Using Machine Learning**

**Ranjeet Kumar Yadav, Rachit Dwivedi, Ms. Mahak**

Galgotias University, Greater Noida, Uttar Pradesh, India

Page No:-1191-1195

DOI:18.15001/JOT.2025/V13I5.25.1525

**96. Car Price Prediction Using Artificial Intelligence and Machine Learning**

**Aditya Ranjan, Vishal Kumar**

Galgotias University, Greater Noida

Page No:-1196-1201

DOI:18.15001/JOT.2025/V13I5.25.1526



**97. Comparative Performance of Fixed vs. Spring Supports in RC Buildings: Implications for Seismic Design**

**Rupali Jaywant Mote, Sachin Krishna More, Sabir Salim Sayyed, Mayur Madhukar Maske**

Rajarambapu Institute of Technology, Shivaji University, Sakharale, MS-415414, India.

Page No:-1202-1216

DOI:18.15001/JOT.2025/V13I5.25.1527

**98. Analysis of Leaky Mode Losses in The Leakage Channel of Optical Fibers**

**Mohan Kumar, Dheeraj Kumar Pandey**

Ramashray Baleshwar College affiliated to Lalit Narayan Mithila University, Darbhanga), Dalsingsarai, Samastipur, Bihar – 848114, India

Page No:-1217-1225

DOI:18.15001/JOT.2025/V13I5.25.1528

**99. Web Weather Application**

**Abhishek Kumar Singh, Yatharth Bisaria, Mr. Deepak Sonker**

Galgotias University, Greater Noida

Page No:-1226-1229

DOI:18.15001/JOT.2025/V13I5.25.1529

**100. Advanced CRISPR/Cas9 Strategies for HIV Provirus Elimination and Gene Therapy in Astrocytes**

**Rahul S Waghmare, Mayur D Patil, Shivam D Kulkarni**

Dayanand College of Pharmacy, Barshi road Latur MS India

**Shraddha D Gadikar, Kiran D Kakde, Mohit D Chamkure**

MDA School of Pharmacy Kolpa Latur

**Bhagyashri V Thorat, Anjali R Suryawanshi, Kashiram R Suryawanshi**

Godavari Institute of Pharmacy Kolpa Latur.

Page No:-1230-1240

DOI:18.15001/JOT.2025/V13I5.25.1530

**101. Design and Development of Solar Panel Cleaning System**



**Akshay Vijay Sangole, Tushar Dagadu Wadekar, Manoj Rajendra Mane, Akhya Kumar Bhehera**

G H Raison College of Engineering and Management, Pune.

Page No:-1241-1250

DOI:18.15001/JOT.2025/V13I5.25.1531

103. **Phishing Detection: A Machine Learning Perspective**

**Ankit Sinha, Rajeev Kumar**

Galgotias University, Greater Noida

Page No:-1266-1278

DOI:18.15001/JOT.2025/V13I5.25.1533

104. **Detection and Monitoring of Iris Colour Changes Using Image Processing Technique**

**Sanjana S M**

University of Amrita Vishwa Vidyapeetham, Kollam, Amrita Puri campus

**Saravanan Natarajan**

University of Technology and Applied Sciences (UTAS) , College of Engineering and Technology – Muscat, Sultanate of Oman

Page No:-1279-1287

DOI:18.15001/JOT.2025/V13I5.25.1534

105. **Regulatory Affairs and Its Role In Pharmaceutical Industry**

**Mr. Rahul Sugriv Waghmare, Ms. Vaishnavi Ramesh Khandomalke, Ms. Pratima Dattrao Shinde**

Dayanand College of Pharmacy, Barshi Road Latur, Maharashtra -413512

Page No:-1288-1297

DOI:18.15001/JOT.2025/V13I5.25.1535

106. **Emotion Detection Using Deep Learning**

**Prakash Kumar, Rakesh Kumar, Neha Kumari**

Galgotias University, Greater Noida, Uttar Pradesh, India

Page No:-1298-1305

DOI:18.15001/JOT.2025/V13I5.25.1536



**107. Reducing Waste, Reusing Joy****Aayushi Mathur, Akshat Kamboj**

Galgotias University Greater Noida, India

Page No:-1306-1312

DOI:18.15001/JOT.2025/V13I5.25.1537

**108. Development of a Biometric Attendance System Using Facial Recognition with Machine Learning Algorithms for Automated Attendance Tracking****Nivya Garg, Shailja Mishra**

Galgotias University, Greater Noida.

Page No:-1313-1319

DOI:18.15001/JOT.2025/V13I5.25.1538

**109. Graphene Oxide in Modern Chemistry: Insights into Preparation, Physicochemical Properties, and Functional Applications****Dr. Sandip B. Nahire, Dr. Lina U. Jadhav, Aishwarya S. Patil**

M.S.G. Arts, Science and Commerce College, Malegaon 423105 (MS), India

Page No:-1320-1342

DOI:18.15001/JOT.2025/V13I5.25.1539

**110. Super-Fruit Infused Dragon Fruit Peel & Pomegranate Peel-Off Mask For Face****Vaishnavi Vishnupant Khandarkar, Prof. Tejas Sharma, Dr. Shivshankar Mhaske, Shreya Anil Wadbudhe**

Satyajeet College of Pharmacy, Mehkar

Page No:-1343-1367

DOI:18.15001/JOT.2025/V13I5.25.1540

**111. MediAI: An AI-Powered Chatbot for Enhancing Healthcare Systems****Aryan Singh, Pavan Solanki**

Galgotias University, Greater Noida, Uttar Pradesh, India

Page No:-1368-1374

DOI:18.15001/JOT.2025/V13I5.25.1541



## 112. **CampusConnect: An AI-Powered Platform for Personalized College Recommendations**

**Gaurav Kumar Thakur, Ankur Kumar**

Galgotias University, Greater Noida, India

Page No:-1375-1379

DOI:18.15001/JOT.2025/V13I5.25.1542

## 113. **Inert AI Farming**

**Rounak Kumar, Pushkar Aashish, Ms. Anjali Patel**

Galgotias University Greater Noida, India

Page No:-1380-1382

DOI:18.15001/JOT.2025/V13I5.25.1543

## 114. **Customer Purchase Behaviour Analysis Using E-commerce Data to Improve Sales Strategy**

**Aamir Chaudhary**

Galgotias University Greater Noida, India

Page No:-1383-1387

DOI:18.15001/JOT.2025/V13I5.25.1544

## 115. **Thermal Efficiency of Light-Gauge Steel (LGS) Ferrocement Sandwich Wall Panels Filled With Polyurethane Foam Insulation**

**Aakanksha Bhojane, Mrudula Kulkarni, Sumant Shinde**

Dr. Vishwanath Karad MIT World Peace University Pune, India

Page No:-1388-1396

DOI:18.15001/JOT.2025/V13I5.25.1545

## 116. **Emotion Detection Using Facial Expression**

**Kunal Kumar, Shrajal**

Galgotias University, Greater Noida, India

Page No:-1397-1406

DOI:18.15001/JOT.2025/V13I5.25.1546



### 117. **Computer-Aided Diagnosis of Diabetic Retinopathy: A Review of Deep Learning Techniques**

**Dr. Amit Prakash Sen, Dr. Anup Kumar**

ARKA JAIN University, Jharkhand, India

Page No:-1407-1425

DOI:18.15001/JOT.2025/V13I5.25.1547

### 118. **React-Driven Fashion E-Commerce**

**Anany Kumar Maurya, Ujjwal Chowdhury**

Galgotias University Greater Noida, India

Page No:-1426-1431

DOI:18.15001/JOT.2025/V13I5.25.1548

### 119. **Development of Nutraceutical Gummies for Children Immunity**

**Mangesh Ashok Lahane, Prof .Shubham Wankhede, Dr. Shivshankar Mhaske, Nikita Lahane, Sanika Nigude, Krishkant Late, Shreya Anil Wadbudhe, Komal Bhausahab Mule**

Satyajeet College of Pharmacy, Mehkar

Page No:-1432-1446

DOI:18.15001/JOT.2025/V13I5.25.1549

### 120. **Development of AI-Powered Chatbots for Enhanced User Interaction on the Web**

**Nipun Tomar, Vinit Kumar**

Galgotias University Greater Noida, India

Page No:-1447-1451

DOI:18.15001/JOT.2025/V13I5.25.1550

### 121. **Stock Sentimental Analysis Through Tweets Using Machine Learning**

**Vishal Gaurav, Shreya Yadav**

Galgotias University Greater Noida, India

Page No:-1452-1463

DOI:18.15001/JOT.2025/V13I5.25.1551



### 122. **Emotion Detection Through Facial Expressions: A Deep Learning Approach**

**Ankit Raghav, Rominsh Sharma**

Galgotias University Greater Noida, India

Page No:-1464-1468

DOI:18.15001/JOT.2025/V13I5.25.1552

123. **AI-Powered Precision Farming for Efficient Crop Harvesting and Defect Detection**

**Praveena S Kammath, Seethalekshmi K S, Saran Ullas, Sivapriya P J, Sriya T S**

SCMS School of Engineering and Technology, Karukutty-683576, Kerala, India.

Page No:-1469-1479

DOI:18.15001/JOT.2025/V13I5.25.1553

124. **Climp AI – Web Application For Video Conferencing**

**Yashansh Kumar Gupta, Devansh Saxena**

Galgotias University, Greater Noida, India

Page No:-1480-1483

DOI:18.15001/JOT.2025/V13I5.25.1554

125. **Green Synthesis of MgO Nanoparticles From Tabernaemontana Divaricata Methanolic Extract For Anti-Inflammatory and Antioxidant Activity**

**Miss. Uma Ghansham Mali**

Tatyasaheb Kore College of Pharmacy, Warananagar, Maharashtra 416113, India

**Dr. Rita D. Chakole**

Government College of Pharmacy, Chhatrapati Sambhaji Nagar, Maharashtra, 431 005, India

Page No:-1484-1497

DOI:18.15001/JOT.2025/V13I5.25.1555

126. **CrowdCoin – Design and Implement the Fund Tracking System using Web Development**

**Mr. Ankit Verma, Saurabh Kumar Singh**

Galgotias University, Greater Noida, Uttar Pradesh, India

Page No:-1498-1503

DOI:18.15001/JOT.2025/V13I5.25.1556



**127. [Web Based Application to Check Website Vulnerability](#)****Aditya Kumar, Sushant Singh, Dr Arvind Panwar**

Galgotias University Greater Noida, India

Page No:-1504-1509

DOI:18.15001/JOT.2025/V13I5.25.1557

**128. [Preformulation and Evaluation of Azithromycin Dry Powder for Oral Suspension](#)****R. Monika, M. Meenakshi, Dr. B. Jayanthi**

FEAT Annamalai University, Annamalai Nagar, Chidambaram,608002.

Page No:-1510-1521

DOI:18.15001/JOT.2025/V13I5.25.1558

**129. [A Machine Learning- Based Medicine Recommendation System Using Symptom Analysis](#)****Divaker Garkoti, Yash Sharma, Yogesh Singh Rajput, Mr. Rajesh Sharma**

Galgotias University Greater Noida, Uttar Pradesh, India

Page No:-1522-1526

DOI:18.15001/JOT.2025/V13I5.25.1559

**130. [Formulation and Evaluation of Herbal Sanitizer](#)****Krishnakant Vyankati Late, Prof. Shubham Wankhede, Dr. Shivshankar Mhaske, Komal Bhausahab Mule, Mangesh Ashok Lahane, Shreya Anil Wadbudhe, Fulchand Anil Dhodke**

Satyajeeet College of Pharmacy, Mehkar

Page No:-1527-1534

DOI:18.15001/JOT.2025/V13I5.25.1560

**131. [Market Basket Analysis in Context of Supply Chain Management](#)****Jatin Suteri, Himanish Bisht, MS. Jyoti Saini**

Galgotias University, Greater Noida, India

Page No:-1535-1542

DOI:18.15001/JOT.2025/V13I5.25.1561

**132. [Automatic Parking Space Detection System](#)**

**Mojammil Alam, Omkar Singh, Dr. Saurabh Singh**

Galgotias University Greater Noida, India

Page No:-1543-1548

DOI:18.15001/JOT.2025/V13I5.25.1562

**133. A Comprehensive Comparison of OV- DINO: Unified Open-Vocabulary Detection and YOLO-World: Real-Time Open-Vocabulary Object Detection**

**Chirag Tomar, Harsh Vardhan Sharma**

Galgotias University, Greater Noida, Uttar Pradesh, India

Page No:-1549-1558

DOI:18.15001/JOT.2025/V13I5.25.1563

**135. An Integrated Smart Parking System Using Vision-Based Occupancy Detection and BLE- Based Indoor Navigation**

**Mrs. Shikha Pachouly, Karan Solanki, Aarya Rokade, Eeshaan Sawant**

AISSMS College of Engineering Pune, Maharashtra.

Page No:-1565-1573

DOI:18.15001/JOT.2025/V13I5.25.1564

**136. AI Desktop Virtual Assistant**

**Mohd Azmaan, Aditya Bhardwaj**

Galgotias University Greater Noida, India

Page No:-1574-1583

DOI:18.15001/JOT.2025/V13I5.25.1565

**137. Bank Management System**

**Md Farhan Sultan, Praveen Kumar Ranjan**

Galgotias University Greater Noida, India

Page No:-1584-1588

DOI:18.15001/JOT.2025/V13I5.25.1566

**138. Integrative Healthcare System AI-Driven Disease and Patient Diagnosis System**

**Anurag Tripathi, Ashish Kumar Saxena**

Galgotias University, Greater Noida, India



Page No:-1589-1599

DOI:18.15001/JOT.2025/V13I5.25.1567

**139. A Web-Based Traffic Violation Reporting System Using YOLO and OCR**

**R. Kalaiyarasi, Dr. K. E. Kannammal, Ms. Dhivya**

Sri Shakthi Institute of Engineering and Technology, Coimbatore, India

Page No:-1600-1602

DOI:18.15001/JOT.2025/V13I5.25.1568

**140. Context Aware Q/A Generation System for Education Text**

**Lavi Kalra, Hritick Tiwari, Triveni Lal Pal**

Galgotias University, Greater Noida, India

Page No:-1603-1608

DOI:18.15001/JOT.2025/V13I5.25.1569

**141. Image Recognition Model Using Tenserflow**

**Ritesh Kalra, Kuldeep Singh Kaswan**

Galgotias University, Greater Noida, India

Page No:-1609-1614

DOI:18.15001/JOT.2025/V13I5.25.1570

**142. Home Security System For The Hearing Impaired Using Machine Learning**

**Gayathri, Dhivya**

Sri Shakthi Institute of Engineering &Technology, Chinniyampalayam, Coimbatore, Tamil Nadu 641062, India

Page No:-1615-1625

DOI:18.15001/JOT.2025/V13I5.25.1571

**143. E-Waste Facility Locator: A Sustainable Solution for E- Waste Management**

**Suraj Singh, Mohammad Asad Khan**

Galgotias University, Greater Noida, India

Page No:-1626-1631

DOI:18.15001/JOT.2025/V13I5.25.1572



**144. Advancing Diesel Engine Lubrication: The Role of Cottonseed Oil, Polyalphaolefins (PAO) & Ether Additives and Their Comparative Study with Mineral Oils**

**Bhatt Samikkumar Pravinchandra**

Shroff S. R. Rotary Institute of Chemical Technology( UPL University of Sustainable Technology)

**Alpesh V Mehta**

Government Engineering College, Godhara, Gujarat Technological University

Page No:-1632-1638

DOI:18.15001/JOT.2025/V13I5.25.1573

**145. Evaluation The Use of Wheat Husk Cellulose Fibre, Acetylated Wheat Starch and Crude Glycerol in Foam Formulation**

**Achal Amit Bhalerao, Prof . Shubham Wankhede, Sneha Mahadev Sarode, Amit Sheshrao Gawai**

Satyjeet College of Pharmacy, Mehkar.

Page No:-1639-1665

DOI:18.15001/JOT.2025/V13I5.25.1574

**146. Comparative Analysis of Next-Word Prediction Technologies Using Machine Learning**

**Rajiv Ranjan, Harsh Jaiswal, Prof. R Sathiya Priya**

Galgotias University Greater Noida, India.

Page No:-1666-1670

DOI:18.15001/JOT.2025/V13I5.25.1575

**147. Real Time Train Scheduling Using Edge Analytics**

**Dr. Aurobindo Kar, Dr. Rich Kumari, Nikhil Bhardwaj, Narendra Singh Rawat, Yash Sharma**

Galgotias University Greater Noida, India.

Page No:-1671-1676

DOI:18.15001/JOT.2025/V13I5.25.1576

