# KDK College of Engineeirng, Nagpur
## Department of Information Technology

| Sr No. | Name of Teacher | Name of Faculty (Patentee ) | Status | Date of filing | Date of Publication / Grant | Description |
|---|---|---|---|---|---|---|
| **Faculty Patent Data (2025-26)** | | | | | | |
| 1 | Prof. R.R.Kolte | Dr. Rachna Krishnaji Somkunwar<br>Ms. Roshani Parete<br>Mr. Roshan Ramesh Kolte<br>Mr. Yash Jawale<br>Mr. Gaurav Gorane<br>Mr. Shreedhar Urawane<br>Mr. Pumang Kirange | Published | 17-10-2025 | 14-11-2025 | Distributed Quiz System Utilizing Encrypted Chains to Transfer Data Communication **Application No.:- 202521100560** |
| **Faculty Patent Data (2024-25)** | | | | | | |
| 2 | Dr. Sunanda P. Khandait | Dr. Prabhakar D. Khandait, Dr.Sunanda P. Khandait , Dr. Jyoti Singh, Dr. Asma Anjum,Shivam Bharadwaj & Others | Published | 11-02-2025 | 15-05-2025 | AI Based Healthcare Device for diagnosing Abdominal Diseases  Design no. 447710-001<br>Date of filing: 11/02/2025<br>Date of issue:15/5/2025 |
| 3 | Prof. Y. D. Choudhari | 1 . Dr. Kanchan  Ganvir<br>2 . Dr. Sarita Bapuji Dhoble (Rinke)<br>3 . Dr. Jyotsna S. Gawai<br>5 . Prof. Y. D. Choudhari | Published | 23-10-2024 | 23-12-2024 | AI BASED ROBOTIC WHEELCHAIR Application No.- 435390-001<br>CBR No.-219627 |
| 4 | Prof. J.D. Thakre | 1.Jyotsna Thakre<br>2. Y Avanija<br>3.Dr. Suganthi<br>4.Dr.Anuradha Sarkar<br>5.Abhishek Kumar Maheshwari<br>6.Dr. Rajesh Kumar<br>7.Jasmin Mehboobpasha Shaikh<br>8.Yallapu Srinivas | Published | 01-12-2024 | 27-02-2025 | AI-POWERED HOME SECURITY DEVICE Design No. 439139-001 |
| 5 | Prof. D.W. Wakde | Dhanashree Wakde, Dr. Ishwar Baburao Ghorude, Dr. Baburao Gaddala, Amirineni Rama L Padmaja, Manoj Kumar S, Dr. N. Kanimozhi, Raaga Varsini. V, Dr. Saurabh, Sanjay Joshi | Published | 12-01-2025 | 27-03-2025 | AI BASED CARBON POLLUTION DETECTING DEVICE Application No. : 443930-001 |

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|---|---|---|---|---|---|---|
| **Faculty Patent Data (2023-24)** |
| 6 | Dr. Sunanda Prabhakar Khandait Prof. Y.D.Choudhari | 1) Dr. Rachna Krishnaji Somkunwar<br>2) Yogeshri Choudhari<br>3) DR. JYOTSNA S. GAWAI<br>4) Dr. S. P. Khandait<br>5) Vaishali Surjuse<br>6) Prajakta Kuchewar | **Filed** | 10-08-2023 | 06-10-2023 | ABFO Based Smart Irrigation System Using Logistic Regression Application No.202321053584 A |
| 7 | Dr. H.V.Gorewar Prof.S.S.Ganorkar | 1. Dr. Shantanu Anandrao Lohi<br>2. Dr. Ravindra Namdeorao Jogekar<br>3. Prof. Snehal Anandrao Lohi Bode<br>4. Dr. Harish Vasantrao Gorewar<br>5. Prof. Sandeep Shaligram Ganorkar<br>6. Dr. Rajesh Mahadeorao Metkar<br>7. Prof. Dilip Ramkrishna Uike | **Filed** | 16-03-2024 | 02-05-2024 | SOIL TESTING DEVICE Design No. 410752-001. |
| 8 | Prof. P.S.Dewalkar | 1 . Dr.D.Mohanapriya<br>2 . P.M.Kavitha<br>3 . Dr.Vishal Ratansing Patil<br>4 . Divvela Srinivasa Rao<br>5 . Dr A Muthukumaravel<br>6 . Priyanka S Dewalkar<br>7 . Dr. Soumi Dutta<br>8 . Dr Chandra Kumar dixit<br>9 . Dr. P. Patchaiammal | **Filed** | 30/08/2023 | 02-02-2024 | REAL TIME PREDICTIVE ANAYLASIS OF USER BEHAVIOR ANALYTICS MECHANISM FOR DECETING INSIDER THREATS USI , Application No. 202341058174 |
| **Faculty Patent Data (2022-23)** |
| 9 | Dr. Sunanda Prabhakar Khandait | i) PROF DR BABA VAJRALAii) DR. SARANYA Niii) DR.PRABHAKAR DAMAJI KHANDAITiv) DR.SUNANDA PRABHAKAR KHANDAITv) MS.PRIYA.Rvi) DR.M.RANvii) THULASIMANI Tviii) DR. VIKAS TRIPATH | Published | 14-07-2022 | 22-07-2022 | MACHINE LEARNING BASED HUMAN MENTAL STRESS DETECTION IN DAILY LIFE SCENARIOS AND ALERTING THROUGH INTERNET OF THINGS). Application No(202211040361 A) |
| 10 | Dr. Sunanda Prabhakar Khandait | i) Dr. Kakoli Banerjee<br>ii) Dr. Chandra Mouli Venkata Srinivas Akana<br>iii) Dr. Ramasamy Kannan Gnanamurthy<br>iv) Dr. Shrikant Kallurkar<br>v) Dr. Prabhakar Damaji Khandait<br>vi) Dr.Sunanda Prabhakar Khandait | Granted (Design grant) | 16-05-2023 | 12-09-2023 | IoT based Meditation Chair. Design No.( 6282624) |

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| 11 | Prof. R.R.Kolte | i) Bhupesh B. Lonkar<br>ii)Annaji M. Kuthe<br>iii) Pallavi D. Charde<br>iv) Roshan R.Kolte<br>v) Devendra D. Dandekar | Published | 24-02-2023 | 16-05-2023 | Baby Monitoring Device Design No.(380106-001) |
| **Faculty Patent Data (2021-22)** | | | | | | |
| 12 | Prof. S.S. Ganorkar & Dr. H.V.Gorewar | i) Ravindra Namdeorao Jogekar<br>ii) Shantanu Anandrao Lohi<br>iii) Sandeep Shaligramji Ganorkar<br>iv) Harish Vasantrao Gorewar<br>v) Snehal A. Lohi (Bode) | **Granted** | 25-08-2021 | 24-11-2021 | A Device for Identifying a Disease and Suggest ING through Machine Learning based Task Scheduling and UID an Effective Remedy to Treat a Plant. Application No. (2021107088) |
| 13 | Prof. Y.D.Choudhari | i) Mr. Anil kumar Gupta<br>ii) Dr. Rachna Krishnaji Somkunwar<br>iii) Ms. Y. D. Choudhari<br>iv) Dr. J. S. Gawai | Published | 26-07-2021 | 20-08-2021 | Boiling controller alerts through Email, SMS and boiling features for boiling using Sensors. Application No.(202121033441) |
| 14 | Prof. Y.D.Choudhari | i) Dr. Rachna Krishnaji Somkunwarii)Mr. Anil kumar Gupta iii) Ms. Y. D. Choudhariiv) Dr. J. S. Gawaiv) Mrs. Ekta Ukeyvi) Mr. Amol P. Bhopalevii) Mr. Abhijit D. Jadhav | Published | 03-09-2021 | 10-09-2021 | Automated Empirical Tuning of Performance & Power consumption using function driven Dynamic Voltage Frequency Scaling (DVFS) in HPC systems for Scientific Workloads. Application No.(202121040018) |
| 15 | Prof. R.R.Kolte | i) Dr. Rachna Krishnaji Somkunwar<br>ii) Mr. Anilkumar Gupta<br>iii) Dr. Chaya Ravi Jadhav<br>iv) Mr. Roshan R. Kolte<br>v) Prof. Ritu Saheb Dudhmal | Published | 24-12-2021 | 04-02-2022 | System and method for image processing based GMI(Graded Motor Imagery). Application No.(202121060477) |
| 16 | Prof. S.S. Ganorkar & Dr. H.V.Gorewar | 1) Ravindra Namdeorao Jogekar<br>2)Shantanu Anandrao Lohi<br>3)Sandeep Shaligramji Ganorkar<br>4) Harish Vasantrao Gorewar<br>5) Mrs. Snehal A. Lohi (Bode) | Published | 21-08-2021 | 24-09-2021 | A Device And A Method For Identifying A Disease And Infestation And Suggest Remedial Measures Using Machine Learning Application No.(202121037922 A) |

Dr. Mrs. S. P. Khandait

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