



**माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत**  
**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA**

**Deemed University**  
(Declared under Distinct Category by Ministry of Education, Government of India)  
**NAAC ACCREDITED WITH A++ GRADE**



**Department of Electronics & Telecommunication Engineering**

**List of Macro Projects-I (July-Dec-2025)**

| Group No. | Name                  | Enrollment No. | Project Title                                   | Supervisor                   |
|-----------|-----------------------|----------------|-------------------------------------------------|------------------------------|
| 1         | DEEPANSHU YADAV       | BTET24O1043    | Solar-Powered Water Pump for Irrigation         | Dr. Karuna Markam            |
|           | DHANENDRA VISHWAKARMA | BTET24O1044    |                                                 |                              |
| 2         | BHOOMI BARWAY         | BTET24O1039    | Affordable Soil Moisture Monitoring System      | Dr. Karuna Markam            |
|           | HITAKSHI DWIVEDI      | BTET24O1058    |                                                 |                              |
| 3         | AASTHA SHARMA         | BTET24O1002    | Automated Greenhouse Temperature Control        | Dr. Karuna Markam            |
|           | ANKITA TRIPATHI       | BTET24O1026    |                                                 |                              |
| 4         | HANSIKA DUBEY         | BTET24O1050    | Low-Cost Rainwater Harvesting Alert System      | Dr. Karuna Markam            |
|           | AKSHAT YADAV          | BTET24O1013    |                                                 |                              |
| 5         | ANKIT KHETWAL         | BTET24O1023    | Pest Repellent System Using Ultrasonic Waves    | Dr. Karuna Markam            |
|           | ANIKESH YADAV         | BTET24O1021    |                                                 |                              |
| 6         | ANKIT SAHU            | BTET24O1024    | Affordable Plant Disease Detection System       | Dr. Karuna Markam            |
|           | ANKIT SINGH TOMAR     | BTET24O1025    |                                                 |                              |
| 7         | AMAN DANGI            | BTET24O1016    | Small-Scale Solar-Powered Lighting for Farms    | Dr. Karuna Markam            |
|           | ALOK SAHU             | BTET24O1015    |                                                 |                              |
| 8         | MAYANK SAHU           | BTET24O1074    | Low-Cost Automated Fertilizer Dispensing System | Prof. Deep Kishore Parsediya |
|           | MANAS SHUKLA          | BTET24O1073    |                                                 |                              |
| 9         | ANSHIKA GUPTA         | BTET24O1027    | Soil PH Testing Kit                             | Prof. Deep Kishore Parsediya |
|           | KHUSHI DHAKAD         | BTET24O1065    |                                                 |                              |
| 10        | HARSH ARYA            | BTET24O1052    | Weather Prediction System for Farmers           | Prof. Deep Kishore Parsediya |
|           | HARSHIT KUSHWAH       | BTET24O1053    |                                                 |                              |
| 11        | CHETANYA NAYAK        | BTET24O1041    | Digital Thermometer for Fever Detection         | Prof. Deep Kishore Parsediya |
|           | DHARMESH TIWARI       | BTET24O1045    |                                                 |                              |
| 12        | AYUSHI GARG           | BTET24O1038    | Pulse Oximeter                                  | Prof. Deep Kishore Parsediya |
|           | ASTHA JADON           | BTET24O1037    |                                                 |                              |
| 13        | DIVYANSH SINGH        | BTET24O1048    | Portable Health Monitoring System               | Prof. Deep Kishore Parsediya |
|           | DISHANT RAJORIYA      | BTET24O1047    |                                                 |                              |
| 14        | AKASH KUSHWAH         | BTET24O1012    | Affordable ECG Monitoring System                | Prof. Deep Kishore Parsediya |
|           | AJAY SINGH SOLANKI    | BTET24O1011    |                                                 |                              |
| 15        | AASHAY SANGAM         | BTET24O1001    | Low-Cost Air Quality Monitoring System          | Prof. Pooja Sahoo            |
|           | ANISH MALAIYA         | BTET24O1022    |                                                 |                              |

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|----|--------------------------|-------------|---------------------------------------------------|--------------------|
| 16 | ASHVI JADON              | BTET24O1036 | Cough Detection System for Respiratory Issues     | Prof. Pooja Sahoo  |
|    | ASHU SUYASH              | BTET24O1035 |                                                   |                    |
| 17 | AKSHRA SHIVHARE          | BTET24O1014 | Solar-Powered Mobile Charging Station for Clinics | Prof. Pooja Sahoo  |
|    | ADITYA RUPCHAND DANGE    | BTET24O1008 |                                                   |                    |
| 18 | AMAN SHARMA              | BTET24O1018 | Low-Cost Medical Reminder System                  | Prof. Pooja Sahoo  |
|    | AMAN KAURAV              | BTET24O1017 |                                                   |                    |
| 19 | ARPIT SHARMA             | BTET24O1031 | Basic Blood Pressure Monitoring System            | Prof. Pooja Sahoo  |
|    | DHRUV KUMAR KUSHWAHA     | BTET24O1046 |                                                   |                    |
| 20 | ISHANT GARHEWAL          | BTET24O1060 | Portable UV Sterilizer for Healthcare Equipment   | Prof. Pooja Sahoo  |
|    | HONEY KUSHWAH            | BTET24O1059 |                                                   |                    |
| 21 | HANSHDEEP MANDLOI        | BTET24O1049 | Low-Cost Water-Level Indicator for Wells          | Prof. Pooja Sahoo  |
|    | HIMANSHU SONANIYA        | BTET24O1057 |                                                   |                    |
| 22 | KRISHNA AGRAWAL          | BTET24O1067 | Automated Waste Segregation System                | Dr. Himanshu Singh |
|    | KARTIK KRISHANA KUSHWAH  | BTET24O1062 |                                                   |                    |
| 23 | HARSHIT SINGH SIKARWAR   | BTET24O1054 | Solar-Powered Street Lights for Rural Areas       | Dr. Himanshu Singh |
|    | ANSHUMAN SINGH BHADORIYA | BTET24O1028 |                                                   |                    |
| 24 | KARTIK KUSHWAH           | BTET24O1063 | Low-Cost Water Purifier with TDS Monitoring       | Dr. Himanshu Singh |
|    | KRISHNJEET YADAV         | BTET24O1068 |                                                   |                    |
| 25 | HEERAL VERMA             | BTET24O1056 | Smart Home Temperature Monitoring System          | Dr. Himanshu Singh |
|    | HARSHVARDHAN SINGH       | BTET24O1055 |                                                   |                    |
| 26 | AMIT RATHORE             | BTET24O1019 | Affordable Solar-Powered Fan for Rural Households | Dr. Himanshu Singh |
|    | ANAND RAJ TRIPATHI       | BTET24O1020 |                                                   |                    |
| 27 | MONIKA SAHU              | BTET24O1078 | Rainwater Harvesting System with Overflow Alert   | Dr. Himanshu Singh |
|    | MOHIT KUMAR KORI         | BTET24O1077 |                                                   |                    |
| 28 | ADITYA RAJ SAHU          | BTET24O1006 | Low-Cost Automatic Rice Cooker with Timer         | Dr. Himanshu Singh |
|    | ARYAN CHOUHAN            | BTET24O1033 |                                                   |                    |
| 29 | ARSHAD KHAN              | BTET24O1032 | Smart Household Energy Meter                      | Dr. Varun Sharma   |
|    | LAVKUSH PRAJAPATI        | BTET24O1071 |                                                   |                    |
| 30 | KSHITIJ KANUNGO          | BTET24O1069 | Voice-Controlled Home Appliance Switch            | Dr. Varun Sharma   |
|    | LAVANYA SACHDEV          | BTET24O1070 |                                                   |                    |
| 31 | ANURAG SINGH JADOUN      | BTET24O1030 | Affordable Smoke and Fire Detection System        | Dr. Varun Sharma   |
|    | ANSHUMAN TIWARI          | BTET24O1029 |                                                   |                    |
| 32 | ARYAN SHRIVASTAVA        | BTET24O1034 | Low-Cost Flood Alert System for Rural Areas       | Dr. Varun Sharma   |
|    | ADITYA RAWAT             | BTET24O1007 |                                                   |                    |
| 33 | AJAY SINGH               | BTET24O1010 | Personal Safety Alarm for Women                   | Dr. Varun Sharma   |
|    | AISH PRATAP SINGH        | BTET24O1009 |                                                   |                    |
|    | NAINCY JAIN              | BTET24O1080 | Community Health Logging System                   | Dr. Varun Sharma   |

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| 34 | NAGENDRA SINGH SIKARWAR  | BTET24O1079 | Community Health Logging System                | Dr. Varun Sharma  |
| 35 | MEDHAVI AGRAWAL          | BTET24O1075 | Water Quality Monitoring for Rural Communities | Dr. Varun Sharma  |
|    | MD. REHAN QURESHI        | BTET24O1076 |                                                |                   |
| 36 | ABHINAV DONGRE           | BTET24O1003 | Solar-Powered Security Camera for Rural Areas  | Dr. Yogesh Kumar  |
|    | ADARSH HADA              | BTET24O1005 |                                                |                   |
| 37 | LOVELENDRA SINGH         | BTET24O1072 | Public Handwashing Station for Rural Areas     | Dr. Yogesh Kumar  |
|    | JYOTIRADITYA SHINDE      | BTET24O1061 |                                                |                   |
| 38 | KRISH SONI               | BTET24O1066 | Affordable Gas Leak Detection System           | Dr. Yogesh Kumar  |
|    | KARTIK SHARMA            | BTET24O1064 |                                                |                   |
| 39 | BOBBY RAJPUT             | BTET24O1040 | Vehicle Tracking System for Rural Areas        | Dr. Yogesh Kumar  |
|    | ----                     | ---         |                                                |                   |
| 40 | HARIOM VISHWAKARMA       | BTET24O1051 | Public Hygiene Awareness System                | Dr. Yogesh Kumar  |
|    | ---                      | ---         |                                                |                   |
| 41 | ABHISHEK LODHA           | BTET24O1004 | Solar-Powered Water Pump for Irrigation        | Dr. Yogesh Kumar  |
|    | ---                      | ---         |                                                |                   |
| 42 | PAWNI GOUR               | BTET24O1089 | Solar-Powered Lighting for Rural Areas         | Dr. Yogesh Kumar  |
|    | PAYAL RAJPUT             | BTET24O1090 |                                                |                   |
| 43 | PRAJWAL DASHORE          | BTET24O1091 | Solar-Powered Crop Protection System           | Dr. Deepak Batham |
|    | PALAK SHARMA             | BTET24O1086 |                                                |                   |
| 44 | SATWIK DUBEY             | BTET24O1118 | Low-Cost Solar-Powered Solar Dryer for Crops   | Dr. Deepak Batham |
|    | TAHER UJJAINWALA         | BTET24O1137 |                                                |                   |
| 45 | ROHIT SHARMA             | BTET24O1107 | Affordable Water Distribution System for Farms | Dr. Deepak Batham |
|    | ROHIT AHIRWAR            | BTET24O1106 |                                                |                   |
| 46 | TANMAY AGARWAL           | BTET24O1139 | Automated Light-Controlled Farming System      | Dr. Deepak Batham |
|    | TANISHKA VERMA           | BTET24O1138 |                                                |                   |
| 47 | SHIVANSH SINGH CHOUDHARY | BTET24O1127 | Digital Crop Management System                 | Dr. Deepak Batham |
|    | VIKAS SHIVHARE           | BTET24O1147 |                                                |                   |
| 48 | SAKSHAM THAKUR           | BTET24O1112 | Air Pollution Control for Rural Households     | Dr. Deepak Batham |
|    | YASH GAUR                | BTET24O1153 |                                                |                   |
| 49 | NAMI JAIN                | BTET24O1082 | Small-Scale Solar Water Heater for Homes       | Dr. Deepak Batham |
|    | ROSHNI GOYAL             | BTET24O1108 |                                                |                   |
| 50 | SHREEYANSH SONI          | BTET24O1128 | Voice-Controlled Fan for Rural Homes           | Dr. Shubhi Kansal |
|    | VINAY SAVITA             | BTET24O1148 |                                                |                   |
| 51 | VANSHIKA TIWARI          | BTET24O1145 | Solar-Powered Water Purifier                   | Dr. Shubhi Kansal |
|    | SHIVAKANT MISHRA         | BTET24O1124 |                                                |                   |
| 52 | NAITIK GOSWAMI           | BTET24O1081 | Automated Health Reminder System               | Dr. Shubhi Kansal |
|    | SURYA CHAUHAN            | BTET24O1136 |                                                |                   |

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| 53 | VISHWAJEET SINGH RATHORE | BTET24O1151 | Basic Irrigation Management System                       | Dr. Shubhi Kansal  |
|    | RITIK SINGH KUSHWAH      | BTET24O1105 |                                                          |                    |
| 54 | YASH KHADE               | BTET2O1154  | Remote Access Village Water Management System            | Dr. Shubhi Kansal  |
|    | YASHWARDHAN TOMAR        | BTET24O1156 |                                                          |                    |
| 55 | SATYAM MISHRA            | BTET2O1119  | Smart Agriculture Monitoring System                      | Dr. Shubhi Kansal  |
|    | SATYAM YADAV             | BTET24O1120 |                                                          |                    |
| 56 | RAJEEV MALVIYA           | BTET2O1102  | Eco-Friendly Water Filtration System                     | Dr. Shubhi Kansal  |
|    | PARTH SHUKLA             | BTET24O1088 |                                                          |                    |
| 57 | VINAYAK SINGH CHAUHAN    | BTET2O1149  | Affordable Community Solar-Powered Cold Storage          | Dr. Rahul Dubey    |
|    | VISHAL BAGHEL            | BTET24O1150 |                                                          |                    |
| 58 | PRASHANT PATHAK          | BTET24O1093 | Water Consumption Tracker for Rural Households           | Dr. Rahul Dubey    |
|    | PRATYUSH KATTHAL         | BTET24O1094 |                                                          |                    |
| 59 | SUMIT KUMAR VISHWAKARMA  | BTET24O1133 | Solar-Powered Night Lights for Villages                  | Dr. Rahul Dubey    |
|    | SUMIT SHARMA             | BTET24O1134 |                                                          |                    |
| 60 | SANSKAR JHA              | BTET24O1113 | Solar-Powered Lighting System for Schools in Rural Areas | Dr. Rahul Dubey    |
|    | SARTHAK JAIN             | BTET24O1114 |                                                          |                    |
| 61 | SAKSHAM KAURAV           | BTET24O1111 | Crop Watering Automation System for Rural Farms          | Dr. Rahul Dubey    |
|    | RAVIKANT TRIPATHI        | BTET24O1104 |                                                          |                    |
| 62 | SAGAR SHUKLA             | BTET24O1109 | Wind-Powered Grain Drying System                         | Dr. Rahul Dubey    |
|    | SAKSHAM DWIVEDI          | BTET24O1110 |                                                          |                    |
| 63 | VEENA CHAURASIA          | BTET24O1149 | Smart Solar-Powered Street Lights                        | Dr. Rahul Dubey    |
|    | VAISHNAVI RAGHUWANSHI    | BTET24O1143 |                                                          |                    |
| 64 | UJJWAL SINGH             | BTET24O1141 | Low-Cost Rainwater Collection System                     | Dr. Nidhi Saxena   |
|    | YOGENDRA SHARMA          | BTET24O1156 |                                                          |                    |
| 65 | NEELKANT RATHOUR         | BTET24O1084 | Solar-Powered Plant Growing System                       | Dr. Nidhi Saxena   |
|    | PARAS MAHOR              | BTET24O1087 |                                                          |                    |
| 66 | VAISHNAVI AGARWAL        | BTET24O1142 | Low-Cost Bio-Waste Converter                             | Dr. Nidhi Saxena   |
|    | SHANU YADAV              | BTET24O1121 |                                                          |                    |
| 67 | SHIV YADAV               | BTET24O1123 | Crop Growth Monitoring System Using Camera               | Dr. Nidhi Saxena   |
|    | VANSH KIRAR              | BTET24O1144 |                                                          |                    |
| 68 | SARTHAK LILHARE          | BTET24O1115 | IoT-Based Water Usage Tracker for Homes                  | Dr. Nidhi Saxena   |
|    | SARTHAK PATIDAR          | BTET24O1116 |                                                          |                    |
| 69 | PRAVEEN KUSHWAH          | BTET24O1095 | Automated Rainwater Filter for Rural Areas               | Dr. Nidhi Saxena   |
|    | SURAJ SINGH RAWAT        | BTET24O1135 |                                                          |                    |
| 70 | PRINCE DIXIT             | BTET24O1096 | Solar-Powered Mosquito Repellent                         | Dr. Nidhi Saxena   |
|    | SHIVAM SINGH             | BTET24O1126 |                                                          |                    |
|    | SUHANI TOMAR             | BTET24O1032 | Automated Wind Energy Collection for Villages            | Dr. Kushboo Poonia |

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| 71 | TISHA BHIMWADA    | BTET24O1140 | Automated Wind Energy Collection for Villages        | Dr. Kushboo Poonia |
| 72 | VIVEK BHARTI      | BTET24O1152 | Home Solar Charging Stations for Rural Areas         | Dr. Kushboo Poonia |
|    | SHRIKANT PARASHAR | BTET24O1129 |                                                      |                    |
| 73 | PRIYANSHI SHARMA  | BTET24O1097 | Low-Cost Water Flow Control for Irrigation           | Dr. Kushboo Poonia |
|    | PRIYANSHU PATEL   | BTET24O1098 |                                                      |                    |
| 74 | OM GUPTA          | BTET24O1085 | Low-Cost UV Water Disinfection for Rural Communities | Dr. Kushboo Poonia |
|    | SOMYA DUBEY       | BTET24O1131 |                                                      |                    |
| 75 | RACHIT SHUKLA     | BTET24O1100 | Solar-Powered Biogas Plant for Rural Areas           | Dr. Kushboo Poonia |
|    | RAHUL PATEL       | BTET24O1101 |                                                      |                    |
| 76 | SARVESH PATIDAR   | BTET24O1117 | Community Refrigerator for Rural Villages            | Dr. Kushboo Poonia |
|    | NAYAN DWIVEDI     | BTET24O1083 |                                                      |                    |
| 77 | UTKARSH SANODIYA  | BTMC24O1140 | Household Gas Leak Detection System                  | Dr. Kushboo Poonia |
|    | SHIVAM SAHU       | BTET24O1125 |                                                      |                    |