

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

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47th series of Student Project Programme (SPP): 2023-24

MIDTERM EVALUATION

Date: 4 June 2024, 9.15 AM

Session Link: <https://meet.google.com/hsm-ywzo-ick>

Note: Only the below-mentioned project teams should join the session

| Sl. No. | PROPOSAL REFERENCE NO. | PROJECT TITLE | COURSE | BRANCH | NAME OF THE COLLEGE | NAME OF THE GUIDE (S) | NAME OF THE STUDENT (S) |
|---------|------------------------|---|--------|--|---|--|---|
| 1. | 47S_BE_1618 | AN ADVANCED SENSORY PERCEPTION SYSTEM FOR OLFACTORY ANALYSIS PROVIDING A CUTTING EDGE DIGITAL OLFACTION SOLUTION WITH IMPLICATIONS FOR DIVERSE INDUSTRIAL SECTORS | B.E. | ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING | NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU | Prof. SUPRIYA B. RAO Dr. MARIA SONIA DSOUZA | Mr. UMAIR AHMED Mr. TALHA RAKIM KHAN Mr. ARITROO KUMAR CHOWDHURY |
| 2. | 47S_BE_1818 | A DEEP LEARNING APPROACH TOWARDS THE DETECTION OF KIDNEY STONE USING CT SCANS IMAGES | B.E. | ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING | NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU | Ms. JIMSHA K. MATHEW Ms. RAJASREE R. S. | Ms. NEEHIKA P. SETTYPALLI Ms. PANABAKAM NIHARIKA |
| 3. | 47S_BE_1915 | PRECISION FARMING WITH AI FOR OPTIMAL CROP YIELD AND HEALTH | B.E. | ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING | NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU | Ms. JIMSHA K. MATHEW Dr. PRIANKA R. R. | Mr. ALLAMPATI VIGNESH REDDY Mr. DADIREDDY GIRIHAS REDDY Ms. DAKSHA T. M. Mr. KUSHAL KULANDAIVELU |
| 4. | 47S_BE_2802 | SONIC INSIGHTS: REVOLUTIONIZING LUNG DISEASE ANALYSIS AND PREDICTION WITH LUNG BEATS | B.E. | ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING | NEW HORIZON COLLEGE OF ENGINEERING, BENGALURU | Prof. SUPRIYA B. RAO Prof. SHRAVYA SHETTY | Mr. VEJANDLA MAHESH BABU Mr. AVNEESH TAMRA Mr. RACHIT SHRIVASTAVA Mr. ALAN DERRYL |

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| 5. | 47S_BE_4577 | DEVELOPMENT OF NLP-POWERED SEMANTIC ANALYSIS FOR DOCUMENT UNDERSTANDING | B.E. | ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING | RAJARAJESWARI COLLEGE OF ENGINEERING, BENGALURU | Prof. DEEPA K. R. | Mr. VENKATESH K. Mr. NARESH A. Mr. SRUJANSHEEL M. S. |
| 6. | 47S_BE_0011 | SMART TEMPERATURE AND HUMIDITY TRACKING SYSTEM USING IOT | B.E. | ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING | REVA UNIVERSITY, BENGALURU | Dr. G. ARULKUMARAN | Mr. C. S. S. S. VENKAT Mr. BORRA BHAVESH REDDY |
| 7. | 47S_BE_0017 | AI-POWERED MODEL FOR ARECA NUT QUALITY ANALYSIS AND DISEASE DETECTION | B.E. | ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING | REVA UNIVERSITY, BENGALURU | Dr. SINDHU P. MENON | Mr. CHETHAN Ms. ANAGHASHREE RANGADHOL R. Ms. SIRISHA S. YADAV Mr. MAHANTESH HUNAKUNTI |
| 8. | 47S_BE_0055 | DESIGN OF AN AI-ENABLED CRIME VALUE INDEX EVALUATION SYSTEM FOR GEO-LOCATION BASED ON CRIME DATA ANALYSIS | B.E. | ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING | REVA UNIVERSITY, BENGALURU | Prof. ARUL KUMARAN | Mr. FRANKLYN EMMANUEL Mr. JOEY TOBGYE SHAH Mr. SHREYAS MAGADUM |
| 9. | 47S_MSC_0092 | INTEGRATING NEURO-SYMBOLIC AI FOR ACCURATE BRAIN TUMOR DETECTION IN MRI IMAGING | M.Sc | DATA SCIENCE | REVA UNIVERSITY, BENGALURU | Dr. HEMANTH K. S. | Ms. TIGULLA DEEPIKA Ms. VIDYA LAKSHMI |
| 10. | 47S_MSC_0138 | TIME SERIES-BASED ANALYSIS OF ENERGY CONSUMPTION: FORECASTING AND ANOMALY DETECTION USING MODIFIED LSTM AND ISOLATION FOREST | M.Sc | DATA SCIENCE | REVA UNIVERSITY, BENGALURU | Dr. RAJEEV RANJAN | Ms. MADHU SHREE M. Ms. DECHAMMA M. P. |
| 11. | 47S_MSC_0159 | TOMATO LEAF DISEASE CLASSIFICATION USING TRANSFER LEARNING MODELS | M.Sc | DATA SCIENCE | REVA UNIVERSITY, BENGALURU | Mrs. VIJAYALAXMI P. CHINIWAR | Mr. DHANUSH RAJU C. M. Ms. S. N. OHILA |
| 12. | 47S_BE_0675 | TOYTECH GENIUS : PRECISION PLAY ROBOT DRIVEN CUBE SOLVING | B.E. | ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING | SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALURU | Dr. DUDDELA SAI PRASHANTH | Ms. RACHANA SHENOY M. Mr. BRANDON LEO JOHN Ms. RESHAL KIRAN LOBO Ms, SHREYA S. RAO |

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| 13. | 47S_BE_0774 | PREDICTIVE MODELING FOR CATTLE SURVIVAL RATES WITH LUMPY SKIN DISEASE | B.E. | ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING | SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALURU | Mr. GANARAJ K. | Mr. AIMAN ABDULLAH G. Mr. ABDUR REHMAN TAQI Mr. NITESH RAMESH KAMAT Mr. PAVAN |
| 14. | 47S_BE_0855 | ELECTROOPTIX: AIOT-DRIVEN SMART HOME ENERGY MONITORING AND OPTIMIZATION | B.E. | ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING | SAHYADRI COLLEGE OF ENGINEERING AND MANAGEMENT, MANGALURU | Dr. DUDELA SAI PRASHANTH | Mr. KARTHIK S. K. Mr. M. SNEHITH J. RAI Mr. SAHIL KUMAR Mr. THEJAS RAO |
| 15. | 47S_BE_5138 | PRECISION FARMS: ACCELERATED AGRICULTURE ANALYTICS WITH EDGE COMPUTING | B.E. | ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING | SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMAKURU | Dr. PRAMOD T. C. | Mr. MARUTHI R. Mr. ABHISHEK S. Mr. AKSHATH G. Mr. CHETAN MANAGAVI |
| 16. | 47S_BE_5447 | DEEP CULINARY CREATOR : A VOICE-ASSISTED RECIPE GENERATOR FOR THE VISUALLY IMPAIRED | B.E. | ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING | SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMAKURU | Dr. SHOBHA K. | Ms. POOJA PALANAKAR Mr. GAURI HARSH RAGHUVANSHI Mr. PIYUSH KUMAR Ms. RINKAL RANJAN |
| 17. | 47S_BE_5178 | PREDICTION OF AUTISM SPECTRUM DISORDER USING MACHINE LEARNING | B.E. | ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING | SRI KRISHNA INSTITUTE OF TECHNOLOGY, BENGALURU | Dr. JAYASUDHA K. | Mr. ANKITH P. Ms. FIZA TASKEEN Ms. KRUPA M. Mr. TEJUS G. |
| 18. | 47S_BE_2478 | KIDNEY DISEASE DETECTION AND PREDICTION USING MACHINE LEARNING | B.E. | INTERDISPINARY (IS, CV AND CSE) | SRI VENKATESHWARA COLLEGE OF ENGINEERING, BENGALURU | Prof. MANJU D. Prof. SURESH P. | Mr. KISHAN SHINDE Mr. NAGARAJA Mr. MANU G. Mr. MANIKANATA S. |
| 19. | 47S_MSC_0256 | AI DRIVEN APPROACH FOR BRONCHOPNEUMONIA DETECTION IN CHILDREN | M.Sc | SOFTWARE TECHNOLOGY | ST. ALOYSIUS (DEEMED TO BE UNIVERSITY), MANGALURU | Dr. RUBAN S. Mrs. SUCHETHA VIJAYAKUMAR | Ms. SHRADDHA H. SHETTY Ms. YASHASWI K. |
| 20. | 47S_MSC_0273 | DEVELOPMENT OF CHAT BOT FOR VACCINATION USING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING | M.Sc | SOFTWARE TECHNOLOGY | ST. ALOYSIUS (DEEMED TO BE UNIVERSITY), MANGALURU | Dr. RUBAN S. Ms. SUCHETHA VIJAYAKUMAR | Mr. RESHAB A. SHETTY Mr. ADARSH M. K. Mr. VINAYAKA D. Ms. SOUJANYA |

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| 21. | 47S_BE_0842 | NURTURHUB: A SMART MATERNITY/PREGNANCY HEALTH MONITORING DEVICE | B.E. | ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING | ST. JOSEPH ENGINEERING COLLEGE, MANGALURU | Dr. SHREENATH ACHARYA | Mr. RIHAN D. S. A. Ms. KATE ANGELA JEANNE PEREIRA Mr. PRAJWAL BANGERA Mr. PRATHAM KUMAR RAO |
| 22. | 47S_MSC_0100 | IMPSNET: A DEEP LEARNING MODEL FOR THE CLASSIFICATION OF INDIAN MEDICINAL PLANT SPECIES (IMPS) | M.Sc | BIG DATA ANALYTICS | ST. JOSEPHS UNIVERSITY, BENGALURU | Dr. SIVAKANNAN S. | Mr. YOBAN BERTRAND YONKOU Mr. JASON ALVIN CHESNEY |
| 23. | 47S_BE_3598 | DEEPFAKE DETECTION VIA ENSEMBLE TECHNIQUES | B.E. | ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING | VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU | Prof. ANJALI R. Dr. VINUTHA D. C. | Ms. MANOGNA C. G. Ms. MEDHA M. Mr. BHUVAN J. Ms. PRAGYA S. BABU |
| 24. | 47S_BE_5250 | INTERACTIVE AIR CANVAS USING COMPUTER VISION | B.E. | ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING | VIDYAVARDHAKA COLLEGE OF ENGINEERING, MYSURU | Dr. CHETHAN B. K. | Ms. RESHMA R. Mr. RAHUL S. B. Ms. SHARVARI R. Ms. VAISHNAVI S. |
| 25. | 47S_BE_3285 | DIABETIC RETINOPATHY DETECTION USING CNN | B.E. | ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING | VIVEKANANDA COLLEGE OF ENGINEERING AND TECHNOLOGY, PUTTUR, DAKSHINA KANNADA | Prof. VAISHNAVI K. V. | Mr. BHEEMAIAH M. B. Mr. DHANUSH CHINMAY R. Mr. NIKSHITH SURENDRA Mr. VAISHAK NACHAPPA B P |