

WORKING PAPER 2014

| Sl.No. | Principal Investigator / Co Investigator | Department | Project Title | Duration |
|---------------|---|-------------------|---|-----------------|
| 1. | Seema Chakrabarathi | CUIM | Evolution & Role of Exchange Traded Currency Derivatives Markets in India | 6 months |
| 2. | Aishwarya S Nair | Engineering | Territory division and patrolling by group of mobile robots for surveillance app | 6 months |
| 3. | Benrajesh P | Engineering | Air conditioning by waste heat energy | 6 months |
| 4. | Chennakeshava R | Engineering | Elastic wave propagation of compound bars | 6 months |
| 5. | Dayalan J | Engineering | Comparative study on soil stabilization of expansive soil with ground granulated blast furnace slag (CGBS) and fly ash | 6 months |
| 6. | Devika Menon M K | Engineering | A novel method to extract maximum power from the solar panel of a grid connected photovoltaic system using phase angle control and hysteresis current control | 6 months |
| 7. | Haneesh KM | Engineering | Optimal control of wind energy systems using feedback linearization | 6 months |
| 8. | Inbanila K | Engineering | Voice morphing using GMM,MFCC, analysis and synthesis | 6 months |

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| 9. | Kukatlapalli Pradeep Kumar | Engineering | Optimized Ontology centered representations for the text based search engines | 6 months |
| 10. | Latha R | Engineering | Optimized digital filter architectures for Multi standard RF transceivers | 6 months |
| 11. | M Beulah | Engineering | Development of Genetic algorithm based neural network model for predicting the durability of high performance concrete | 6 months |
| 12. | M Sharath Bimba | Engineering | Study of various tunable on chip active inductors for quasi resonant interconnects | 6 months |
| 13. | Palpandian | Engineering | Design and fabrication of washing equipment for hostel students | 6 months |
| 14. | Ramesh Shahabadkar | Engineering | Student dashboard feedback mining to improvise teaching-learning enhancement | 6 months |
| 15. | Sathish P K | Engineering | Comparative analysis of Image feature descriptors and detectors in surveillance videos | 6 months |
| 16. | Shashi Kumar D | Engineering | A study on smart antenna beam forming Algorithms and their applications | 6 months |
| 17. | Srinidhi Lakshmish Kumar | Engineering | Cost modeling of midrise RCC buildings designed in various seismic zones and soil conditions in India | 6 months |
| 18. | Vineeth V | Engineering | Comparative study of power electronic interfaces for stand along distributed generation | 6 months |

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| 19. | Pranab Das | Engineering | Value addition in waste foundry sand through ceramic processing | 6 months |
| 20. | Amutha Manavalan | Media Studies | Transformation of Tamil short films to feature films - a study of 3 films | 6 months |