



वार्षिक रिसपांड समीक्षा Annual RESPOND Review

नवंबर 26-29, 2019 November 26-29, 2019



अंतरिक्ष उपयोग केंद्र (अं.उ.कें.), अहमदाबाद Space Applications Centre (SAC), Ahmedabad



Annual Review of SAC RESPOND projects was organized during 26th - 29th November, 2019 at Space Applications Centre, ISRO Ahmedabad. 79 SAC RESPOND Projects were reviewed during this meeting.

Registration of Participants and Information Desk



Welcome of Dignitaries and Inaugural Session of ARR-2019 on 26th November, 2019



Welcome address by Shri Chirag Dewan, Group Director, PPG, SAC

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Brief on ISRO RESPOND Programme by Dr. M A Paul, Associate Director, RESPOND & Academic Interface, Capacity Building Programme Office, ISRO-HQ



Brief on SAC RESPOND activity by Dr Parul Patel, Co-ordinator RESPOND, SAC



Inaugural Address by Shri Nilesh M Desai, Associate Director, SAC



Keynote address by Dr. P V Venkitakrishnan, Director, CBPO, ISRO HQ



Shri Nilesh Desai, AD, SAC felicitated Dr. P V Venkitakrishnan, Director CBPO, ISRO HQ



Presentation on 'Highlights of Research Areas of SAC' by Dr. Arundhati Misra, Chairperson, RESPOND Review committee, SAC



Vote of thanks by Smt. Ankita Patel, RRCD, SAC



Laboratory Visits of ARR 2019 participants on 29th November, 2019



Planetary Simulation and Immersive Visualisation (PLASIV) Lab visit



Participants read out Preamble of the Indian Constitution to mark the Constitution Day on 26th November, 2019



Live Telecast of the Launch of PSLV-C47/ CARTOSAT-3 Mission on 27 November, 2019

Shri Chirag Dewan, GD PPG, SAC shared his experiences of CARTOSAT-3 payload development



Compering, Records and Minutes of Meeting



Glimpses during Presentation/Interaction Sessions





SAC Focal Persons explained the Utilisation of Completed Projects deliverables



Memento Presentation



Dr. M. A. Paul, AD RESPOND & Academic Interface, ISRO HQ receiving the memento



Shri Ganeshan, RESPOND Coordinator URSC receiving the memento



Shri S. Sridharan, RESPOND Coordinator VSSC receiving the memento



Shri H.S Jattana, RESPOND Coordinator SCL receiving the memento



Distinguished Prof. Shri R. M. Parmar receiving the memento



Dr. Arundhati Mishra, Chairperson SAC RRC receiving the memento



Shri Chirag P Dewan, Alt. Chairperson, SAC-RRC receiving the memento



Shri A. P. Shukla, Member SAC-RRC receiving the memento



Shri C. Patnaik, Member SAC-RRC receiving the memento



Dr. Thejesh Bandi, Member SAC-RRC receiving the memento



Shri V.K. Singh, Member SAC-RRC receiving the memento



Dr. Parul Patel, Member Secretary SAC-RRC receiving the memento

Presentation of Recently Completed/Ongoing/New RESPOND Projects by Academia/ SAC Focal Person

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| 1. | OGP_ID: | OGP100 |  <p style="text-align: center;">PI : Prof. K R Subhashini</p> |
| | Research Title: | Conformal array synthesis using evolutionary algorithms for the generation of a shape beam antenna for data transmission | |
| | Organisation: | National Institute of Technology, Rourkela | |
| 2. | OGP_ID: | OGP108 |  <p style="text-align: center;">Presented by Shri Rajesh Kumar, JRF</p> <p style="text-align: center;">PI : Dr.Ambesh Dixit</p> |
| | Research Title: | Development of III-Nitrides thin film(s) for high frequency SAW device applications | |
| | Organisation: | Indian Institute of Technology, Jodhpur | |
| 3. | OGP_ID: | OGP119 |  <p style="text-align: center;">Presentred by Shri Pankaj Chaudhary, JRF</p> <p style="text-align: center;">PI : Prof. Deepak K. Ghodgaonkar</p> |
| | Research Title: | Ultra wide band Dielectric Resonators Antenna | |
| | Organisation: | DAIICT, Gandhinagar | |
| 4. | OGP_ID: | OGP120 |  <p style="text-align: center;">Presentred by Shri CH V Narasimha Rao, SFP</p> <p style="text-align: center;">PI : Shri Anukul C. Baishya</p> |
| | Research Title: | Design of Ultra Low-Power FHSS Transceiver for Wireless Communication Applications | |
| | Organisation: | Tezpur University, Tezpur | |

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| 5. | OGP_ID: | OGP125 |  <p>PI :Dr. C. Arun & Co-PI : Mr.S.Muthumanickam</p>  |
| | Research Title: | Design and implementation of Dual blind detection Robust watermarking for multimedia security in FPGA | |
| | Organisation: | R M K College of Engineering and Technology, Tamilnadu | |
| 6. | OGP_ID: | OGP129 |  <p>Presented by Shri Arup Banerjee, SFP</p> <p>PI: Dr. Mukul Sarkar</p> |
| | Research Title: | Gated photodiodes for single photon detection in CMOS technology | |
| | Organisation: | Indian Institute of Technology Delhi, New Delhi | |
| 7. | OGP_ID: | OGP130 |  <p>PI:Dr. Susovon Samanta</p> |
| | Research Title: | Modeling and Controller Design for Active Clamp Forward Converter with Multiple Outputs used as Electronic Power Conditioner (EPC) | |
| | Organisation: | National Institute of Technology, Rourkela | |
| 8. | OGP_ID: | OGP131 |  <p>Dr. Rajesh Iyer</p> |
| | Research Title: | Characterization of Aerosols, Black Carbon and Radiative Forcing over Urban Environment of Ahmedabad and Gandhinagar City, Gujarat India | |
| | Organisation: | St. Xavier's College, Ahmedabad | |

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| 9. | OGP_ID: | OGP133 |  <p>Dr. Vijay Nath</p> |
| | Research Title: | Design of Ultra Low Power CMOS (Complementary Metal Oxide Semi-Conductor) temperature sensor for aerospace applications | |
| | Organisation: | Birla Institute of Technology Mesra,Ranchi | |
| 10. | OGP_ID: | OGP135 |  <p>PI :Dr. A D Sarma</p> |
| | Research Title: | A local short term model for forecasting Ionospheric Scintillations for GNSS applications over Indian Region | |
| | Organisation: | Birla Institute of Technology Mesra, Ranchi | |
| 11. | OGP_ID: | OGP137 |  <p>Presented by Ms. Debjani Dutta, JRF</p> <p>PI : Dr.Srimanta Gupta</p> |
| | Research Title: | Effect of different types of land use patterns on local scale meteorological phenomena with an emphasis on future projected scenario | |
| | Organisation: | University of Burdwan, Burdwan | |
| 12. | OGP_ID: | OGP138 |  <p>Presented by Ms. Sampa Das, JRF</p> <p>PI : Dr. Ardhendu Saha</p> |
| | Research Title: | Noncontact Multidirectional Vibration Sensor using 2D Position Sensitive Detector (PSD) | |
| | Organisation: | National Institute of Technology, Agartala | |
| 13. | OGP_ID: | OGP140 |  <p>PI : Prof. Manjula T R</p> |
| | Research Title: | On-orbit Characterisation of Space-born Synthetic Aperture Radar (SAR) Performance using ground deployed Corner Reflectors | |
| | Organisation: | Jain University Kanakapura | |

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| 14. | OGP_ID: | OGP142 |  <p>Presented by Ms. Neha Sisodiya, JRF</p> <p>PI : Dr. Sanjay Garg</p> |
| | Research Title: | Design and Development of Scalable Data Mining Algorithms for Big Earth Data | |
| | Organisation: | Nirma University Ahmedabad | |
| 15. | OGP_ID: | OGP144 |  <p>Dr. Gaurav Trivedi</p> |
| | Research Title: | Development of ESD I/O Pads for CCD Image Sensor for 0.18um SCL Foundry | |
| | Organisation: | Indian Institute of Technology, Guwahati | |
| 16. | OGP_ID: | OGP145 |  <p>Presented by Co-PI : Dr. Gopi K. Seemala</p> <p>PI : Dr. D. J. Shetti</p> |
| | Research Title: | Ionospheric studies using IRNSS Receivers and Comparison with other GNSS | |
| | Organisation: | Smt. KasturbaiWalchand College, Sangli | |
| 17. | OGP_ID: | OGP146 |  <p>PI : Dr. Biswajit Mishra</p> |
| | Research Title: | Development of Ultra Low Power and Low Voltage Time to Digital Converter (TDC) for Space Applications | |
| | Organisation: | DhirubhaiAmbani Institute of Information and Communication Technology, Gandhinagar | |
| 18. | OGP_ID: | OGP147 |  <p>Presented by SmithaSasi, Co-PI</p> <p>PI : Dr. A R Aswatha</p> |
| | Research Title: | Secured data transmission for space communication over Elliptical Curve Cryptography | |
| | Organisation: | Dayananda Sagar College of Engineering, Bengaluru | |

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| 19. | OGP_ID: | OGP148 |  <p>PI : Dr. Nihar Ranjan Mohapatra</p> |
| | Research Title: | Development of High Voltage (HV) devices for CCD clock drivers | |
| | Organisation: | Indian Institute of Technology, Gandhinagar | |
| 20. | OGP_ID: | OGP149 |  <p>Presented by Ms. Rajrupa Singh, JRF PI:Dr. R Selvakumar</p> |
| | Research Title: | Integration of NAVIC receiver with mapping services | |
| | Organisation: | VIT University, Vellore | |
| 21. | OGP_ID: | OGP150 |  <p>PI : Dr. Sanjeev Kumar</p> |
| | Research Title: | Optical flow-based prediction of Visual storms from satellite image sequences | |
| | Organisation: | Indian Institute of Technology, Roorkee | |
| 22. | OGP_ID: | OGP151 |  <p>Presented by Shri Shashikant Deepak, JRF PI :Dr. Dipti Patra</p> |
| | Research Title: | Design and development of registration & Super Resolution Reconstruction (SRR) techniques for remotely sensed images | |
| | Organisation: | National Institute of Technology, Rourkela | |
| 23. | OGP_ID: | OGP152 |  <p>Presented by Mrs. Syed Nageenaparveen, JRF PI: Dr. P. Siddaiah</p> |
| | Research Title: | Simulations on Differential IRNSS and RTK receiver | |
| | Organisation: | Acharya Nagarjuna University, Guntur | |

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| 24. | OGP_ID: | OGP153 |  <p>Presented by Shri Abhijit Dey, JRF PI: Dr. Nitin Sharma</p> |
| | Research Title: | Development of SDR based GNSS Receiver | |
| | Organisation: | BITS Pilani, Goa | |
| 25. | OGP_ID: | OGP154 |  <p>Presented by V. Lingasamy, JRF PI : Dr. K. T. Selvan</p> |
| | Research Title: | The feasibility of bandwidth enhancement of reflectarray antenna at Ku band for conventional and shaped beams | |
| | Organisation: | SSN College of Engineering, Kalavakkam | |
| 26. | OGP_ID: | OGP155 |  <p>PI : Shri Amit Kumar</p> |
| | Research Title: | Design and fabrication of large deflection MEMS Bimorph element for Tunable filters | |
| | Organisation: | CSIR-Central Electronics Engineering Research Institute (CEERI), Pilani | |
| 27. | OGP_ID: | OGP156 |  <p>PI: Dr. B. Yamuna</p> |
| | Research Title: | Reliability based Soft Decision Decoding of Turbocodes for Satellite Communication | |
| | Organisation: | Amrita VishwaVidhyapeetham, Amrita School of Engineering, Coimbatore | |
| 28. | OGP_ID: | OGP157 |  <p>PI : Prof.(Dr.) Adhya Bharti Saxena</p> |
| | Research Title: | Situating Scientific Environment and Institution Building in India : Vikram Sarabhai & his Times | |
| | Organisation: | The Maharaja Sayajirao University of Baroda, Vadodara | |

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| 29. | OGP_ID: | OGP158 |  <p>Presented by Ms. Deeksha K., JRF PI: Dr.V.S.Hegde</p> |
| | Research Title: | Sediment budget and estuarine dynamics along the West Coast of India: Implications for Coastal Hazards Management - A Case study of Gangolli estuary, Near Kundapur, Karnataka | |
| | Organisation: | S.D.M. College of Engineering and Technology, Dharwar | |
| 30. | OGP_ID: | OGP159 |  <p>PI:Shri Bishwajit Pal</p> |
| | Research Title: | Software framework for hosting Application Programming Interface / Modules for Artificial Intelligence, Heterogeneous Parallel Computing and Device Drivers for various scientific equipment in ex-planetary vehicle to the end/remote user | |
| | Organisation: | Nagarjuna College of Engineering & Technology,Bengaluru | |
| 31. | OGP_ID: | OGP160 |  <p>Presented by Vasudeva Reddy Ramireddy, JRF PI : Dr. Raghendra Chaudhary</p> |
| | Research Title: | A Compact Low-volume Dielectric Resonator Antenna Loaded with Metamaterial Structure for Small Satellite Application | |
| | Organisation: | Indian Institute of Technology (ISM), Dhanbad | |
| 32. | OGP_ID: | OGP161 |  <p>PI : Dr. S. Poonkuntran</p> |
| | Research Title: | Classification of Satellite Images using Cellular Automata | |
| | Organisation: | Velammal College of Engineering and Technology, Madurai | |
| 33. | OGP_ID: | OGP162 |  <p>PI:Dr. Shanthi Prince</p> |
| | Research Title: | Wireless optical signaling based Inter-satellite tracking and monitoring for high data rate communication | |
| | Organisation: | SRM University, Kattankulathur | |

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| 34. | OGP_ID: | OGP163 |  <p>PI :Dr. S. Suresh & Co-PI :Dr. P. J. Alphonse</p>  |
| | Research Title: | Study on the heat transfer characteristics of low melt alloy encapsulated PCM for Satellite avionics thermal management | |
| | Organisation: | National Institute of Technology, Tiruchirappalli | |
| 35. | OGP_ID: | OGP164 |  <p>PI: Dr. M. Lilly Florence</p> |
| | Research Title: | Ontology Driven Meteorology Conceptual Data Dissemination through Open Geo-Spatial Consortium (OGC) web services | |
| | Organisation: | Adhiyamaan College of Engineering, Hosur | |
| 36. | OGP_ID: | OGP165 |  <p>PI: Shri Sayan Chatterjee</p> |
| | Research Title: | Design and development of X-band dual polarized waveguide slotted array antenna | |
| | Organisation: | Jadavpur University,Kolkata | |
| 37. | OGP_ID: | OGP166 |  <p>PI: Dr. S. Kirthiga</p> |
| | Research Title: | Capacity, Bit Error rate and performance evaluation of MIMO based communication system on minimized Multipath environment | |
| | Organisation: | Amrita Vishwa Vidyapeetham University,Coimbatore | |






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| 38. | OGP_ID: | OGP167 |  <p>Presented by Rahul Vashisth, JRF PI: Prof. Deepak Ghodgaonkar</p> |
| | Research Title: | Development of Microwave Absorber (Carbonyl Iron Filled Silicon Rubber Sheets) in 1 to 8 GHz range | |
| | Organisation: | DA-IICT,Gandhinagar | |
| 39. | OGP_ID: | OGP168 |  <p>PI: Dr Prashant K Srivastava</p> |
| | Research Title: | Synthesis of algorithm from multiple orbiting satellites towards operational high resolution soil moisture estimation-HighRes-SM | |
| | Organisation: | Banaras Hindu University,Varanasi | |
| 40. | OGP_ID: | OGP169 |  <p>PI : Dr. G.A. Sathishkumar & Ms. C.T.Poomagal, Student</p>  |
| | Research Title: | Design and Development of key exchange mechanism for High Security Applications | |
| | Organisation: | Sri Venkateswara College of Engineering, Sripermbudur | |
| 41. | OGP_ID: | OGP170 |  <p>PI : Dr. S. Malathi</p> |
| | Research Title: | Design and analysis of an Integrated optic microring resonator array based sensor system for detection of multiple gases | |
| | Organisation: | M.S Ramaiah University of Applied Sciences, Bengaluru | |

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| 42. | OGP_ID: | OGP171 |  <p>Presented by Darshna Jagiwala &</p>  <p>Ms. Priyanka Lineswala</p> <p>PI : Dr. Upena D. Dalal</p> |
| | Research Title: | SIRMI - Strengthening IRNSS receiver by mitigation of Interference | |
| | Organisation: | S.V National Institute of Technology (SVNIT), Surat | |
| 43. | OGP_ID: | OGP172 |  <p>PI: ShriPrasanna R</p> |
| | Research Title: | Design and Development of Optimized Miniature Antenna Modules with duality function for Inflatable Satellite Antenna Setup | |
| | Organisation: | Veltech Dr RR & Dr SR University, Chennai | |
| 44. | OGP_ID: | OGP173 |  <p>Presented by Mr. Samar Jeet Shukla, JRF</p> <p>PI: Dr. Santanu Dwari</p> |
| | Research Title: | Design and development of Substrate Integrated Waveguide (SIW) based circular polarized high gain slot array antenna for satellite communication | |
| | Organisation: | Indian Institute of Technology (ISM), Dhanbad | |
| 45. | OGP_ID: | OGP174 |  <p>Presented by Prof. Chetan</p> <p>PI : Subhajit Sen</p> |
| | Research Title: | A High-Speed SAR Analog to Digital Converter (ADC) with low distortion sample-hold front-end | |
| | Organisation: | International Institute of Information Technology, Bengaluru | |

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| 46. | OGP_ID: | OGP175 |  <p>PI : Dr. Subhashis Chatterjee</p> |
| | Research Title: | Predicting Reliability and Optimal release time of various categories software systems | |
| | Organisation: | Indian Institute of Technology (ISM), Dhanbad | |
| 47. | OGP_ID: | OGP176 |  <p>Presented by Shri Vinit Singh Yadav (JRF) PI:Dr. Amalendu Patnaik</p> |
| | Research Title: | Analysis and Performance Enhancement of Graphene Plasmonic Antennas | |
| | Organisation: | Indian Institute of Technology, Roorkee | |
| 48. | OGP_ID: | OGP177 |  <p>Presented by Shri Archit Dube, SAC PI: Dr. Rajan Jha</p> |
| | Research Title: | Design and study of Nano and micro displacement sensor based on Photonic Crystal Fiber modal interferometer | |
| | Organisation: | Indian Institute of Technology, Bhubaneswar | |
| 49. | OGP_ID: | OGP178 |  <p>PI :Dr. Sindhu Radhakrishna</p> |
| | Research Title: | Impacts of land use changes on human-primate conflict in India | |
| | Organisation: | National Institute of Advanced Studies, Bengaluru | |
| 50. | OGP_ID: | OGP179 |  <p>Presented by Shri Nishant, JRF PI : Dr. Nandita Goswami</p> |
| | Research Title: | Design of urban storm water drainage system for Jorhat Town (Assam) and its suburb using GIS and Remote sensing | |
| | Organisation: | Gujarat University, Ahmedabad | |

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| 51. | OGP_ID: | OGP180 |  <p>PI : Dr. Sanjeev Kumar Raghuwanshi</p> |
| | Research Title: | A Novel Mach zehnder Modulator based integrated Photonic highly Steerable Beam-forming system for Broadband Satellite Communication Link | |
| | Organisation: | Indian Institute of Technology, Jharkhand | |
| 52. | OGP_ID: | OGP181 |  <p>Presented by Mrs. Harshita Tolani, SFP PI : Dr. Priyanka Mondal</p> |
| | Research Title: | A low Noise subharmonic Mixer for millimeter-wave Space-Borne Applications | |
| | Organisation: | | |
| 53. | OGP_ID: | OGP182 |  <p>Presented by Ms. Nabamita Chaudhuri, JRF PI : Dr. K.N. Kusuma</p> |
| | Research Title: | Visible-IR and XRF spectroscopic studies of Lunar Analogues | |
| | Organisation: | Pondicherry University, Puducherry | |
| 54. | OGP_ID: | OGP183 |  <p>PI : Dr. H UmmaHabiba</p> |
| | Research Title: | Ku-band Tx/Rx transportable reflect array Antenna for satellite communication | |
| | Organisation: | Sri Venkateshwara College of Engineering Sriperumbudu | |
| 55. | OGP_ID: | OGP184 |  <p>PI : Dr. Pravin R. Prajapati</p> |
| | Research Title: | Performance enhancement of circularly polarized planar/dielectric resonator antennas using defected ground structures | |
| | Organisation: | A.D. Patel Institute of Technology, Anand | |

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| 56. | OGP_ID: | OGP185 |  <p>Presented by Ms. D. Jahnvi, JRF PI : Dr. G Kavya</p> |
| | Research Title: | Design of 0.18 μ m CMOS Dual band Low Noise Amplifier (LNA) for IRNSS Applications | |
| | Organisation: | S. A. Engineering College, Chennai | |
| 57. | OGP_ID: | OGP186 |  <p>PI : Shri K. Krishnamoorthy</p> |
| | Research Title: | Design and Development of Wideband Circularly Polarized Antenna using 2D Metamaterial Structures | |
| | Organisation: | National Institute of Technology Karnataka, Mangalore | |
| 58. | OGP_ID: | OGP187 |  <p>Presented by Shri Nirupam Paul, JRF PI : Dr. Shiv Govind Singh</p> |
| | Research Title: | Design, Fabrication and Characterization of Uncooled Microbolometer for IR Imaging Applications | |
| | Organisation: | Indian Institute of Technology, Hyderabad | |
| 59. | OGP_ID: | OGP188 |  <p>Presented by Ms. Pooja Pawar, JRF PI : Dr. ArtiKhaparde</p> |
| | Research Title: | Development of Time Weighted Dynamic Time Warping (TWDTW) Algorithm for Analysis of Vegetation Dynamics using Time-Series Vegetation Index Data from Earth Observation Satellites | |
| | Organisation: | Dr.VishwanathKarad MIT World Peace University (MIT-WPU), Pune | |
| 60. | OGP_ID: | OGP189 |  <p>Presented by Shri D. Sudheer, JRF PI :Dr. K. Rajakumar</p> |
| | Research Title: | Development of Automated Web Based Online Feature Tracking system using Shape Adaptive Curvelet with PCA and Haralick Texture Feature | |
| | Organisation: | VIT University, Vellore | |

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| 61. | OGP_ID: | OGP190 |  <p>PI : Dr. Swastika Chakraborty</p> |
| | Research Title: | Experimental Studies on tropospheric scintillation and associated rain attenuation for SATCOM links over North Eastern India (Sikkim) at Ku/Ka-Band | |
| | Organisation: | Sikkim Manipal Institute of Technology, East Sikkim | |
| 62. | OGP_ID: | OGP191 |  <p>Presented by Shri Vikas Rastogi, JRF PI : Dr. Sanjay H Upadhyay</p> |
| | Research Title: | Design and Development of a Proof-of-Concept Model of a Packaging Methodology & Rigidization for Gossamer Space Antenna Structures | |
| | Organisation: | Indian Institute of Technology, Roorkee | |
| 63. | OGP_ID: | OGP192 |  <p>Presented by Ms. Aayushi Wawre, JRF PI : Dr. Pradeep Upadhyay</p> |
| | Research Title: | Development, Testing & Characterization of 1m Dia Ku-Band P.E.E.K parabolic reflector with and without Metallization for Spacecraft Applications | |
| | Organisation: | Central Institute of Plastics Engineering & Technology, Ahmedabad | |
| 64. | OGP_ID: | OGP193 |  <p>PI : Dr. V. Santhi</p> |
| | Research Title: | Speckle noise reduction in SAR images using Neuro-Fuzzy approaches for coastal zone change detection and monitoring | |
| | Organisation: | Vellore Institute of Technology, Tamil Nadu | |
| 65. | OGP_ID: | OGP194 |  <p>Presented by Shri Naitik Parekh, JRF &</p> |
| | Research Title: | Design and Simulation of Beamforming Algorithms and Baseband Technologies for SATCOM On the Move (SOTM) Networks | |
| | Organisation: | DAIICT, Gandhinagar | |



Ms. Aarushi Dhama, JRF
PI : Shri Yash Vasavada

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| 66. | OGP_ID: | OGP195 |
| | Research Title: | Government Agency Initiatives for Scientific Research Management with special reference to Institute/University Interface |
| | Organisation: | Nirma University, Ahmedbad |



PI : Dr. Nityesh Bhatt

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| 67. | OGP_ID: | OGP196 |
| | Research Title: | Design and Simulation of Physical Layer and Medium Access Control (MAC) Layer Functionalities of Future Mobile Satellite Systems |
| | Organisation: | DAIICT, Gandhinagar |



Presented by Nanavati
Tilak Digantkumar, JRF
PI : Dr. RajibLochan Das

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| 68. | OGP_ID: | OGP197 |
| | Research Title: | Development of Fusion Algorithms for Remotely Sensed Satellite Images in Cartographic Applications |
| | Organisation: | Sri SivasubramaniyaNadar College of Engineering, Chennai |



PI : Dr. N.
Venkateswaran

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| 69. | OGP_ID: | OGP198 |
| | Research Title: | Design of an algorithm for Urban feature extraction and classification for satellite Image |
| | Organisation: | A D Patel Institute of Technology, Anand |



Presented by Ms. Jyoti
Shukla, JRF
PI : Dr. Hetal N Patel

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| 70. | OGP_ID: | OGP199 |  <p>Presented by Shri Satadru Bhattacharya, SAC Focal Person</p> <p>PI : Dr. AbhikKundu</p> |
| | Research Title: | Elucidation of the deformation signatures and fluvial activity near junction of Noachis Terra with Margaritifer and Arabia Terra | |
| | Organisation: | Asutosh College, Kolkata | |
| 71. | OGP_ID: | OGP200 |  <p>PI : Prof. Arunava Goswami</p> |
| | Research Title: | Delaying programmed cell death of beneficial gut bacteria in microgravity using oxide and complex nanoparticles | |
| | Organisation: | Indian Statistical Institute, West Bengal | |
| 72. | OGP_ID: | OGP201 |  <p>PI : Dr. Yash Vasavada</p> |
| | Research Title: | System design for Ground based Beam Former | |
| | Organisation: | DAIICT, Gandhinagar | |
| 73. | OGP_ID: | OGP202 |  <p>PI : Prof. Sheli Sinha Chaudhuri</p> |
| | Research Title: | Neuro-Fuzzy Synergism based POLSAR Image Classification | |
| | Organisation: | Jadavpur University, Kolkata | |
| 74. | OGP_ID: | OGP203 |  <p>PI : Prof. Dr. Amitava Gupta</p> |
| | Research Title: | Vision guided Auto-Lander for Planetary missions | |
| | Organisation: | Jadavpur University, Kolkata | |

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| 75. | OGP_ID: | OGP204 |  <p>Presented Dr. Mini Raman, SFP PI : Dr. K. Maneesha</p> |
| | Research Title: | Integrated Post cyclone impacts on the chlorophyll biomass in the central and Western Bay of Bengal | |
| | Organisation: | National Institute of Oceanography – RC, Visakhapatnam | |
| 76. | OGP_ID: | OGP205 |  <p>PI : Prof. N. Vaani</p> |
| | Research Title: | Estimation of Crop Water Productivity (CWP) in the major River basins of Tamilnadu using Geospatial technology | |
| | Organisation: | VIT University, Vellore | |
| 77. | OGP_ID: | OGP206 |  <p>Presented by Dr. Swagata Payra, Co-PI PI : Dr. SunitaVerma</p> |
| | Research Title: | Prediction of ground-level particulate matter concentrations from Multi-Satellite Aerosol Optical Depth (AOD) over the Indian Subcontinent | |
| | Organisation: | Banaras Hindu University, Varanasi | |
| 78. | OGP_ID: | OGP207 |  <p>Presented by Dr. Jai Prakash Verma, Co-PI PI : Dr. Sanjay Garg</p> |
| | Research Title: | Design and development of a Scalable Framework for Geospatial/Geoscience Data Ingestion, Ad-hoc Queries and analysis on Big Data Environment | |
| | Organisation: | Nirma University, Ahmedabad | |
| 79. | OGP_ID: | OGP208 |  <p>PI : Dr. M. Narendra Kumar</p> |
| | Research Title: | Thermal Management of Space Electronics using Multi-turn Pulsating Heat Pipes (PHP) | |
| | Organisation: | Jyothi Institute of Technology, Bengaluru | |



Concluding Remarks by Dr. Arundhati Misra, Chairperson, RRC



Dr. Parul Patel, RESPOND Coordinator and Head, RESPOND & Research Coordination Division, SAC thanked all participants from Academia, SAC Focal Persons and Review Committee members for successful conduct of Annual RESPOND Review 2019