**Appendix-A**

**LIST OF SHORTLISTED NOMINATIONS AT BACHELOR LEVEL – PARALLEL SESSION (Group A)**

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| **S. No.** | **Time slot** | **Nominee** | **College / Institute** | **Project Title** | **Engineering Discipline** |
| B-1 | 11:00-11:10 | Hiren Rajeshbhai Solanki | Institute of Technology, Nirma University, Ahemdabad | Correction of Tropospheric Delay in IRNSS Data | Civil Engineering  |
| B-3 | 11:10-11:20 | Rishav Dutta | Indian Institute of Engineering Science and Technology(IIEST) Shibpur | Prediction of Stochastic Non-Stationary Downbursts and Hurricane Wind Field | Civil Engineering  |
| B-17 | 11:20-11:30 | Rayudu Rahul | National Institute of Technology Raipur |  Internal Linear Mechanism Device for Vertical Transport Distraction Osteogenesis of Maxillo Reconstruction | Mechanical Engineering |
| B-20 | 11:30-11:40 | Naveen Elango  | Indian Institute of Technology Madras | Vision based Framework for Conversion of Engineering Drawings to Vector based Format for CAD Applications | Mechanical Engineering  |
| B-22 | 11:40-11:50 | Aakash | Indian Institute of Technology Tirupati | An Analytic study of the wiedemann-Franz Law and the thermoelectric figure of merit | Mechanical Engineering  |
| B-24 | 11:50-12:00 | Kalash Rajendra Pai | Institute of Chemical Technology Mumbai | Production of Biolubricants from Expoxidized Vegetable Oil | Chemical Engineering |
| B-26 | 12:00-12:10 | Alok Kumar Pandey | Indian Institute of Technology Hyderabad | Pencil Lead based Graphite-Silica Composite Anodes for Practical Lithium-ion Batteries | Chemical Engineering |
| B-39 | 12:10-12:20 | Allam Varshith Reddy | Indian Institute of Space Science and Technology Thiruvananthapuram | Iterative Patched Conic Technique for Lunar Transfer Trajectories | Aerospace Engineering |
| B-40 | 12:20-12:30 | Prathamesh Ramesh Sirmalla | Indian Institute of Technology Madras | Analytical Methods to solve Weak MachRelections | Aerospace Engineering |
| B-41 | 12:30-12:40 | Arvind Pujari | Indian Institute of Technology Madras | Al-based Plasmonic Nanoparticles as an Alternative to Noble Metal Plasmonics | Mining, Metallurgical and Materials Engineering  |
| B-42 | 12:40-12:50 | Neethu N | Indian Institute of Space Science and Technology Thiruvananthapuram | Investigations on Hot Deformation Behaviours of an Al–Si Alloy and its Hybrid Composite | Mining, Metallurgical and Materials Engineering  |
| **S. No.** | **Time slot** | **Nominee** | **College / Institute** | **Project Title** | **Engineering Discipline** |
| B-43 | 12:50-13:00 | Anirban PaulSougata Mazumder | Indian Institute of Engineering Science and Technology(IIEST) Shibpur | An application of data science in Minning and Rope Industry: Rope Performance Analysis of various Indian Opencast | Mining, Metallurgical and Materials Engineering  |
| B-46 | 13:00-13:10 | Amogh B S | Birla Institute of Technology and Science Pilani | Black Phosphorous based sensors for healthcare applications | Interdisciplinary and Special Engineering Fields and Leadership in Academia, R&D and Industry |
| B-48 | 13:10-13:20 | Denil V Robinson | Indian Institute of Space Science and Technology Thiruvananthapuram | Chaotic Electronic Circuits and their Applications | Interdisciplinary and Special Engineering Fields and Leadership in Academia, R&D and Industry |
| B-49 | 13:20-13:30 | Somayajula Venkata Janakiram | Indian Institute of Space Science and Technology Thiruvananthapuram | Optimal Scheduling Strategies for Multiple Agile Earth Observation Satellites | Interdisciplinary and Special Engineering Fields and Leadership in Academia, R&D and Industry |
| B-50 | 13:30-13:40 | Amarthiyason Adhithyan | St. Joseph's College of Engineering Tamil Nadu | Smart glasses for visually challenged people | Interdisciplinary and Special Engineering Fields and Leadership in Academia, R&D and Industry |
| B-54 | 13:40-13:50 | Khushank SinghalSumakesh Mishra  | Indian Institute of Technology Delhi | Development of Fast and Efficient Air Purification System | Interdisciplinary and Special Engineering Fields and Leadership in Academia, R&D and Industry |