

DON BOSCO INSTITUTE OF TECHNOLOGY, (DBIT), MUMBAI, 400 070

Department of Mechanical Engineering

*BE Final Projects Academic Year 2018-2019 *

| *Group No.* | *Sr No* | *Name of the student* | *Project Title:* | *Guide* |
|-------------|---------|--------------------------|---|-------------------|
| 1 | 1 | Myron Dsilva | Optimization of solar cooker | Dr. P. Nambiar |
| | 2 | Ganesh Gupta | | |
| | 3 | Chinmay Jadhav | | |
| | 4 | Paulson Philip | | |
| 2 | 1 | Parth Keswani | Detection of Arsenic impurity in drinking water | Prof. Deepika |
| | 2 | Faraaz Ahmed Shaikh | | |
| | 3 | Isha Keskar | | |
| 3 | 1 | Agnel Raja | Experimental setup for leak detection, evacuation and charging of refrigerant in a system | Prof. Cleeta |
| | 2 | Cathina S Anthony | | |
| | 3 | Akshada Uttam Shelke | | |
| | 4 | Austine Vadakan Varghese | | |
| 4 | 1 | Jaideep Vaidya | Speed Controlled Hand Cart | Prof. Swapnil |
| | 2 | Rashi Wavale | | |
| | 3 | Sasha Ladislas | | |
| | 4 | Joshua Fernandes | | |
| 5 | 1 | Sanchita S. Surve | Design, fabrication and experimentation of multi airlift loop | Prof. Mahesh |
| | 2 | Sagar P. Mhashelkar | | |
| | 3 | Yashasvi Shetty | | |
| | 4 | Mitesh Sanjay Joshi | | |
| 6 | 1 | Vinit Salian | Determination of uncertainty in strain gauges | Prof Sachin |
| | 2 | Adarsh Upadhyay | | |
| | 3 | Rohan Doss | | |
| | 4 | Varad Khenat | | |
| 7 | 1 | Denzil Dsouza | Biomechanic analysis of elbow joint/wrist joint and rapid Prototyping of prosthetics for elbow /wrist joint | Prof. Shreeprasad |
| | 2 | Lawrence Dcunha | | |
| | 3 | Vikrant Jaiswar | | |
| | 4 | Mayur Kate | | |

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|----|---|-----------------------|--|-------------------|
| 8 | 1 | Sanika Pawar | Design and manufacturing of recycling unit for plastics (Used PET bottles or polyethylene) | Prof. Shreeprasad |
| | 2 | Criston Sequeira | | |
| | 3 | Dipali Shinde | | |
| | 4 | Tushar Warekar | | |
| 9 | 1 | Vaibhav .V. Joshte | Design, fabrication & experimentation on 90° horizontal upward elbow two phase test section | Prof. Mahesh |
| | 2 | Milind .C. Khamkar | | |
| | 3 | Ajaya .V. Maurya | | |
| | 4 | Mohammed Shabbirhasan | | |
| 10 | 1 | Prabhat Gouda | Design and fabrication of pot hole fixer | Prof Georgena |
| | 2 | Manhar Gupta | | |
| | 3 | Nayan Jain | | |
| | 4 | Aditya Kale | | |
| 11 | 1 | Pranav Pulkundwar | Biomechanic analysis of knee joint and rapid Prototyping of prosthetics for knee joint | Prof. Hemant |
| | 2 | Ishan Rajbhar | | |
| | 3 | Nikhil Raut | | |
| | 4 | Vijay Yadav | | |
| 12 | 1 | Karan Chinchpure | Identification of parameters for 3-D mass spring system (MSS) to simulate deformable objects | Prof. Suryawanshi |
| | 2 | Siddhay Maharao | | |
| | 3 | Reuben Miranda | | |
| | 4 | Nikhil Patil | | |
| 13 | 1 | Piyush Chaudhari | Biogas reformation to Syngas using catalysis | Prof. Sabnis |
| | 2 | Omkar Ghate | | |
| | 3 | Nihar Jathar | | |
| | 4 | Gunesh Joshi | | |
| 14 | 1 | Nitish Warriar | To design and develop car roof-top mounted windmill. | Prof. Dasgupta |
| | 2 | Clinton Rodrigues | | |
| | 3 | Vijit Rai | | |
| | 4 | Parthoprati Mandal | | |
| 15 | 1 | Darryl Noronha | Design and development of effective Mobbing mechanism for solar collector | Dr. Y. Padiya |
| | 2 | Aditya Rane | | |

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|----|---|---------------------------|--|---------------|
| | 3 | Astle Pinto | | |
| | 4 | Pravin Raut | | |
| 16 | 1 | Noel Mathew Arakkal | Public multilevel Parking System | Prof Nilesh |
| | 2 | Ashley Norbert D'cruz | | |
| | 3 | Gladin John Joseph | | |
| | 4 | Troy Inchiparambil | | |
| 17 | 1 | Rohan Gangar | Compact Agricultural Machine | Prof. Madan |
| | 2 | Karan Zope | | |
| | 3 | Aaron Fernandes | | |
| | 4 | Clinton Fernando | | |
| | 5 | Sairaj Gawkar | | |
| 18 | 1 | Delon R Dsilva | Road Power Generator | Prof. Chavan |
| | 2 | Clive Dsouza | | |
| | 3 | Ulric Dsouza | | |
| | 4 | Urmin S Gala | | |
| 19 | 1 | Glen D'souza | Suspended Garbage collector for large water bodies | Dr. Sashikant |
| | 2 | Oyster Jerome D'souza | | |
| | 3 | Alston Furtado | | |
| 20 | 1 | Rinish Francis Kolamberth | Experimental setup for the measurement for the determination of fin efficiency and fin effectiveness and comparison of fin performance of various type of fins | Prof. Juned |
| | 2 | Sterin Thekkumpuram | | |
| | 3 | Savio Fernandes | | |
| | 4 | Enoch Swamidas | | |
| | 5 | Emil Geogy | | |
| 21 | 1 | Rishikesh Madan Nagraj | Analysis of Hexapod and rapid prototyping | Prof. Hemant |
| | 2 | Vinayak B. Panda | | |
| | 3 | Yash N. Patel | | |
| | 4 | Abhishek R. Pimple | | |
| 22 | 1 | Emmanuel Joseph Aju | Detection of fluoride ion impurity in drinking water | Prof. Deepika |
| | 2 | Arnold Dsouza | | |
| | 3 | Kinnaird Fernandes | | |
| | 4 | Daniel D'Souza | | |

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|----|---|--------------------------|--|-----------------|
| 23 | 1 | Mascaren Samprus | Design and fabrication of sparger | Prof. Jenifer |
| | 2 | Burboz Rean | | |
| | 3 | Tuscano Tanmay | | |
| | 4 | Odell Mordes | | |
| 24 | 1 | Chetan Tawade | Multi shape cutter | Prof. Sudhakar |
| | 2 | Ibad Tanki | | |
| | 3 | Nitin Singh | | |
| | 4 | Omkar Dhamdhere | | |
| 25 | 1 | Ambesh Singh | Drainage management using Design Thinking | Dr. P. Nambiar |
| | 2 | Shantanu Tekade | | |
| | 3 | Shraddha Khandare | | |
| | 4 | Kaustubh Morye | | |
| 26 | 1 | Rushabh Kakodkar | Termocouple callibration unit | Prof. Clea |
| | 2 | Sumeet Devadiga | | |
| | 3 | Sebastian Fernandes | | |
| | 4 | Anselm Fonseca | | |
| 27 | 1 | Aman Ahmed | Improvement and utilization of biogas plant at institute. | Prof. Pavan |
| | 2 | Aaron Akkara | | |
| | 3 | Barath Alapatt | | |
| | 4 | Leo Abraham | | |
| 28 | 1 | Prathamesh Prasad Kale | Testing of wing swap mechanism for generation of lift during hovering | Dr. Sashikant |
| | 2 | Harshal Shyam Deshmukh | | |
| | 3 | Yash Krishna Bhosale | | |
| | 4 | Avinash Kailas Chaudhari | | |
| 29 | 1 | Leander Gonsalves | To study the treadmill and complete fabrication work and test for maintaining healthy living habits. | Prof. Johnson |
| | 2 | Ken Rodrigues | | |
| | 3 | Jaison Fernandes | | |
| | 4 | Neil Lopes | | |
| 30 | 1 | Elton Passanha | Modification and enhancement in existing 3-D printer | Prof. Swapnil G |
| | 2 | Rohan Karande | | |
| | 3 | Madhuri Gunjal | | |
| | 4 | Robin Nadar | | |

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|----|---|-------------------|--|---------------|
| 31 | 1 | Sheraman Saldanha | Fabrication and experimentation of natural circulation Loop with end Heat Exchangers | Prof. Jenifer |
| | 2 | Sahil Parmar | | |
| | 3 | Tushar Raina | | |
| | 4 | Abhishek Janu | | |
| 32 | 1 | Rayan Lobo | Gun recoil control system and application on UAV (Hoverdeck) | Prof. Bajirao |
| | 2 | Clive Lawrence | | |
| | 3 | Mervin Lobo | | |
| | 4 | Shraddhesh Kamal | | |
| 33 | 1 | Enoch Dsouza | Design and testing of Evaporative cooled condenser | Dr. Y. Padiya |
| | 2 | Vivian Dsouza | | |
| | 3 | Atul Bakshi | | |
| | 4 | Neeraj Tak | | |
| 34 | 1 | Sheldon Coutinho | Torsion Spring Production Machine | Prof. Chavan |
| | 2 | Nabeel Sayed | | |
| | 3 | Dwayne Mendonca | | |
| 35 | 1 | Jino Joy Thoppil | To study the different types of Waste Disposal Equipment, design, fabricate and test for maintaining hygienic living habits. | Prof. Johnson |
| | 2 | Joy Nadar | | |
| | 3 | Ashley Dsilva | | |
| | 4 | Sanket Choudhary | | |
| 36 | 1 | Cliff Murzello | Fabrication and design of solar chimney for ventilation | Prof. Pavan |
| | 2 | Jheel Carvalho | | |
| | 3 | Ricky Rodrigues | | |
| | 4 | Aaron Rodrigues | | |
| 37 | 1 | Chris Dsouza | Design and fabrication of a combustion chamber for a gas turbine | Prof. Babitha |
| | 2 | Royden Cordeiro | | |
| | 3 | Mikhail D'Souza | | |
| 38 | 1 | Ajinkya Bachhav | Ultrasonic fluid sensing device for calculating the quantity and quality of the fuel used | Prof. Nilesh |
| | 2 | Melwyn Pinto | | |
| 39 | 1 | Nichol Rodrigues | Development of void fraction measurement sensor | Dr. N. M. Rao |
| | 2 | Ashish Rasquinha | | |

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| | 3 | Stanley Vijay Vini Christober | |
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