

Library, Faculty of Technology, University of Ruhuna.

Undergraduate Projects - 2021

Department of Engineering Technology

	Item No / Acc No	Index No	Name of Full	Title of Thesis/Project	Name of the Supervisor	Year	Degree
01	001	TG/2016/059	Rathnayake Mudiyansele Kaushika Madhuvan Premathilaka	Access Control System for Outside Maintainers	Mrs. Dulani Liyanage	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
02	002	TG/2016/004	Sajula Ravindu Illangasinghe	Analysis of Diesel Ic Engine Performance Based on Fuel Consumption, Cooling Temperature on Restored Engine	Dr. B.L.S. Sanjaya Thilakarahne	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
03	003	TG/2016/067	Mathes Arachchige Praveen Chathuranga	Analyzing the Engine RPM with the Exhaust Air Quality of the Restored Diesel Engine for Eco-Friendly Operation	Dr. B.L.S. Sanjaya Thilakarahne	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
04	004	TG/2016/072	Yakupitiyage Dilshan Maduranga	Automated Air Filter Cleaning Machine for Light Vehicles	Dr. A. M. Ajward	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
05	005	TG/2016/014	Beliwaththa Gamage Don Dinesh Chathuranga	Automated Cut Panel Numbering Machine For Apparel Industry	Ms. H.C. Ganegge	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
06	006	TG/2016/015	Wickramage Ishara Madhushan Jayaweera	Automated Dosa Making Machine	Mr. M.P.Uditha Isuranga	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
07	007	TG/2016/003	Palihawadana Arachchige Pankaja Suganda Perera	Automated Guided Vehicle for Warehouse	Dr. A. M. Ajward	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
08	008	TG/2016/086	Alawaththa Gamage Amila Sandakalum	Automated Kokis Making Machine	Mr. M.P.Uditha Isuranga	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
09	009	TG/2016/047	Jayasuriyage Nathali Tharuka JAYASURIYA	Automated Multiple Labels Heat Stitching Machine For Apparel Industry	Mr. M.P.Uditha Isuranga	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
10	010	TG/2016/007	Pala Mandadige Deshani Kaushalya Pathiraja	Automated Powder Dispensing System For Sail Manufacturing	Mr. M.P.Uditha Isuranga	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).

11	011	TG/2016/075	Mahanamagama Pathiranage Harsha Buddhika Subhashith Mahanama	Automated Safer Railway Gate System	Miss. Prabodhi Mithila	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
12	012	TG/2016/044	Wijethungalage Thilina Jayanidu Soysa	Automated Tool Management System	Mr. M.P.Uditha Isuranga	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
13	013	TG/2016/034	Vidanagamage Saman Pushpakumara	Automatic Calandria tube Cleaning Machine For the Sugar Industry	Ms. H.C. Ganegge	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
14	014	TG/2016/084	Beraliyana Wahumpurage Saranga Madhushanka Sirithunga	Automatic Lace Measuring Machine	Dr. V.H.P.Vitharana	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
15	015	TG/2016/046	Dodanduwa Liyana Hewage Wathsala Kalpani Liyanage	Automatic Oil Feeding Sub-Unit For an Internal Rubber Compound Mixing Machine	Ms. H.C. Ganegge	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
16	016	TG/2016/040	Galawata Hene Gedara Hasan Dileepa Sandaruwan	Automatic pH Controlling System of Sugar Juice Heating Storage Tank for Sugar Production	Mr. R.Buddhila Danthasinghe	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
17	017	TG/2016/077	Arambe Dhanushka Lakshitha Kodikara	Automatic Surface Turning and Undercutting Machine For Commutator	Mr. H.L. Subasinghe	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
18	018	TG/2016/042	Mohamed Hussain Faiq Ahamed	Automatic Vehicles Gate Pass Management System	Mr. M.P.Uditha Isuranga	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
19	019	TG/2016/030	Konaru Mudalige Dushan Dilanka	Autonomous Solar Panel Cleaning Robot	Mr. M.P.Uditha Isuranga	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
20	020	TG/2016/058	Doloswala Witharanage Koshila Madhushanka Witharana	Clay Crusher Maching	Ms. H.C. Ganegge	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
21	021	TG/2016/023	Tharumaraja Sajarupan	Contactless Vending Machine For Mask Distribution	Ms. H.C. Ganegge	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
22	022	TG/2016/082	Ranasinghage Upama Sewwandi	Defect Identification and Marking Machine for Sail-Making Industry	Mrs. Dulani Liyanage	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
23	023	TG/2016/036	Rajapaksha Ranathunga Arachchige Kalani Nethma Rajapaksha	Design And Development of Chocolate 3D Printer	Dr. B.L.S. Sanjaya Thilakarahne	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
24	024	TG/2016/045	Muthu Banduge Ushan Malshika Wijayagama	Design and Fabrication of a Single Belt Dual Purpose Telescopic Conveyor	Mr. H.L. Subasinghe	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
25	025	TG/2016/057	Ekanayakage Chathura Harsha Bandara Ekanayaka	Design and Fabrication of Dual Purpose Vertical Conveyor System	Mr. H.L. Subasinghe	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).

26	026	TG/2016/053	Korale Liyanage Raveen Thusitha Gunawardena	Developing a Profitable Tile Using Needle Waste	Dr. V.H.P.Vitharana	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
27	027	TG/2016/043	Dikovita Kankanamge Dinusha Dilshan	Development of a Geopolymer Based Clay Brick Using Rice Husk Ash as a Useful Construction Material	Ms. Yashodha G Kondarage	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
28	028	TG/2016/033	Edirisingha Arachchillage Ruwani Sandamali De Silva	Development of Automated Quality Assurance System Based on RFID for Apparel Industry	Mr. H.L. Subasinghe	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
29	029	TG/2016/025	Wewalwala Hewage Achini Chamoda Lakshani	Development of Polymer Composite from Cross-Linked Polyethylene Used for Cable Insulation	Ms. Yashodha G Kondarage	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
30	030	TG/2016/061	Dewatha Pedige Supun Manaram Jayathissa	Eco Friendly Low-Cost Automatic Air Condition System	Mr. H.L. Subasinghe	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
31	031	TG/2016/008	Dissanayaka Appuhamillage Pasindu Parami Dhananjana Dissanayake	Elevator Guide Rail Cleaning Robot	Miss. Prabodhi Mithila	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
32	032	TG/2016/019	Karagoda Gamage Isuru Sandaruwan	Gas Pipeline Leak Inspection Robot	Dr. A. M. Ajward	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
33	033	TG/2016/021	Mohamathu Mooza Sakeer	Improving Flour Mill Cyclone Separator Efficiency by Changing Inlet Geometry	Dr. B.L.S. Sanjaya Thilakarahne	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
34	034	TG/2016/068	Nithun Manushan Madanayaka	IOT (Internet of Things Based Smart Agriculture Fertilizer System	Dr. B.L.S. Sanjaya Thilakarahne	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
35	035	TG/2016/038	Jayarathnage Chamalka Lakshani Jayarathna	IOT Based Tower Monitoring System	Mr. R.Buddhila Danthasinghe	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
36	036	TG/2016/048	Mohamed Nawas Mohamed Aflal	IOT Light Management System	Mrs. Dulani Liyanage	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
37	037	TG/2016/064	Rupasinghe Arachchige Dona Thisari Thiwanka Rupasinghe	Low-Cost Smart Precipitation Gauge With Weather Station	Mr. M.P.Uditha Isuranga	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
38	038	TG/2016/001	Weerasingha Mulacharige Anjalee Anuththara Jayarathna	Machine Monitoring System to Predict Potential Failures	Dr. K.G.S.H.Gunawardhana	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
39	039	TG/2016/054	Halpawaththa Liyanage Oshadi Hasangika	Measuring and Controlling Internal Defects of Casting Metals	Dr. K.G.S.H.Gunawardhana	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
40	040	TG/2016/079	Mahinda Sri Hiruni Sankalpani Samarakoon	Metal Detection System For Super Sieved Powdered Crumb Process	Mr. M.P.Uditha Isuranga	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).

41	041	TG/2016/018	Anton Nainas Nephesh Roche	Modelling Temperature Distribution Analysis in a Data Center using CFD	Dr. K.G.S.H.Gunawardhana	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
42	042	TG/2016/006	Galhenage Ravindu Pasan Perera	Oil Swabbing Arm	Ms. H.C. Ganegge	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
43	043	TG/2016/078	Chamithra Lakmini Hettiarachchi	Preparation and Optimization of Banana Fiber Reinforced Natural Rubber Composites	Ms. Yashodha G Kondarage	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
44	044	TG/2016/055	Koranisda Korallalage Lahiru Pradeep	Preparation of Titanium Dioxide Nano Particles from Sri Lankan Rutile Mineral Sand	Ms. Yashodha G Kondarage	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
45	045	TG/2016/070	Thaveswaran Mithurshan	Pulse Oximetry and Cardiac Monitoring Band	Dr. B.L.S. Sanjaya Thilakarahne	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
46	046	TG/2016/028	Arambe Gedara Akila Sandaruwan Chandrasena	Remotely Operated Paint Robot for Ship's Hull Painting	Dr. V.H.P.Vitharana	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
47	047	TG/2016/032	Hewa Pedige Jeewanee Shamindi Wijewardhana	Semi- Automated Fabric Bins Delivery System For Apparel Industry	Dr. B.L.S. Sanjaya Thilakarahne	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
48	048	TG/2016/031	Wanniarachchi Pathirannahalage Pasindu Anjana Induranga	Smart Needle Management System for Apparel Industry	Dr. A. M. Ajward	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
49	049	TG/2016/037	Abdul Jaleel Sajeeth Ahamed	Smart Power Demand and Consumption Analyser	Mrs. Dulani Liyanage	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
50	050	TG/2016/024	Hewapassa Perumage Nishadi Nayanamali	Smart Underground Copper Cable Fault Location Detection System	Mr. M.P.Uditha Isuranga	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
51	051	TG/2016/050	Kalana Wasuka Akmeemana	Smart Water Meter System Based on IOT	Mr. R.Buddhila Danthasinghe	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
52	052	TG/2016/016	Jayasingha Arachchilage Ajani Lakmini Jayarathna	Study on Internal Defects Propagation Under Applied Stress Using NDT	Dr. K.G.S.H.Gunawardhana	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
53	053	TG/2016/056	Wansekara Mudiyansele Dhananjani Hemamali Nawarathna	Utilization of Lathe Waste for Floor Concrete Mixtures	Ms. Ayomi Pabasara	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
54	054	TG/2016/051	Alawaththage Nirmani Anuradha Fernando	Utilization of Rice Straw Ash as a Filler Material for Rubber Compounding	Ms. Ayomi Pabasara	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).
55	055	TG/2016/027	Anandabesiri Jayasundara Mudiyansele Ushenia Athulitha Jayasundara	Waste Motor Oil as an Alternative Binder for Roofing Tile	Dr. V.H.P.Vitharana	September - 2021	Bachelor of Engineering Technology (Honours), 2016 Batch (01).