Library, Faculty of Technology, University of Ruhuna.

Undergraduate Projects - 2021

Department of Information and Communication Technology

	Item No / Acc No	Index No	Name	Title of Thesis/Project	Name of the Supervisor	Year	Degree
01	**056**	TG/2016/135	Rishitha Themiya Abeysinghe	A Case Study on Advertisement Prediction at Shopping Complexes in Sri Lanka	Ms. Rumeshika W. Arachchi	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
02	**057**	TG/2016/114	Wedaralalage Gedara Asanka Tharindu Premathilaka	A Conceptual Model for Identifying Real Professionals	Mr. P.H.P. Nuwan Laksiri	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
03	**058**	TG/2016/131	Wawwage Haritha Deshan Rathnadasa	A Conceptual Model to Detect Seat Damages in Train Compartments	Mr. P.H.P. Nuwan Laksiri	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
04	**059**	TG/2016/097	Devage Don Sahan Thiranjaya	A Data Mining Approach to Suggest an Ideal Business Idea	Ms. C.R. Liyanage	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
05	**060**	TG/2016/133	Muthumadinage Monali Thakshala Fernando	Analysing Infant Crying Patterns: Classification of Hunger and Discomfort	Mr. P.H.P. Nuwan Laksiri	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
06	**061**	TG/2016/117	Amunegedara Wadudurage Sithara Menik Priyadarshani	Analyze the Risk Level of Diabetic Neuropathy Using Data Mining Techniques	Ms. J.K.D.B.G. Jayaneththi	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
07	**062**	TG/2016/127	Pilana Vithanage Sadith Lakshan Priyankara	Audio Analyze and Classify System Using Deep Learning Technology for Indoor Meetings	Ms. J.K.D.B.G. Jayaneththi	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
08	**063**	TG/2016/115	Agampodige Dinesh Ruwan Nandasena	Automated Traffic Violations Detection on the Pedestrian Crossing	Mrs. Dinithi Vithanage	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).

09	064	TG/2016/136	Katuwan Thuduwa Manage Nimesha Madushani Shalika	**Bird Call Recognition Using a Convolutional Neural Network**	Mrs. Jayani Imalka	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
10	065	TG/2016/106	Hewa Alankarage Chathurika Sandamali	**Cinnamon Sticks' Quality Predication Using Image Processing**	Ms. C.R. Liyanage	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
11	066	TG/2016/096	Mestiyage Don Amila Viduruwan Gunathilaka	**Classification of Letters for Sri Lankan Universities using Text Mining**	Ms. Jayani Imalka	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
12	067	TG/2016/109	Halvitigala Ihala Gamage Erandika Yasanthi	**Detect Appropriate Period to Apply Fertilizer for the Tea Plantation Using Image Processing**	Mrs. Dinithi Vithanage	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
13	068	TG/2016/100	Koralege Sathsara Sammani	**Detect Freshness of Fruits Using Arduino**	Dr. P.K.S.C. Jayasinghe	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
14	069	TG/2016/103	Kananke Liyanage Kasun Sameera Liyanage	**Detection and Classification of Monkeys Using Transfer Learning**	Mrs. Dinithi Vithanage	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
15	070	TG/2016/111	Nawalage Nadeema Hansani	**Detection of Black Pepper Adulteration Using a Supervised Learning Approach**	Ms. Ravihari Liyanage	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
16	071	TG/2016/130	Vidath Hasantha Senadheera	**Detection of Fishing Spots Using AI Technology**	Dr. P.K.S.C. Jayasinghe	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
17	072	TG/2016/095	Wijesekara Dissanayaka Thalindu Lakshan	**Early Identification of Major Pests Caused to Crop Loss in Paddy Fields: A Case Study**	Mr. P.H.P. Nuwan Laksiri	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
18	073	TG/2016/090	Hetti Arachchige Madhushika Sewwandi	**Early Warning System for Human - Elephant Conflict in Sri Lanka**	Ms. Rumeshika W. Arachchi	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
19	074	TG/2016/120	Ranmadara Sri Chamathka Arambawatta	**Gender Recognition System Using HOG Assisted Deep Feature Learning in Visible Light and Thermal Images of Human Body**	Ms. Rumeshika W. Arachchi	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).

20	075	TG/2016/121	Kavindya Ranchani Hingurage	**Hate Comments Detection and Classification in Social Media (Twitter) Using Deep Learning.**	Mrs. Dinithi Vithanage	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
21	076	TG/2016/093	Kapu Kankanamalage Chamodie Thathsarani Premasiri	**Identification and Recommendation of Free Parking Slots in Faculty of Technology Premises Using a Mobile Application**	Dr. P.K.S.C. Jayasinghe	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
22	077	TG/2016/108	Muthunayakalage Thithija Milan Madhupriya	**Identification of Diseases of rose Flowers Using Image Processing Techniques**	Mr. P.H.P. Nuwan Laksiri	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
23	078	TG/2016/107	Hettiarachchige Sanju Priyanga Silva	**Identification of Forearm Bone Fracture Using Image Processing Techniques**	Ms. Rumeshika W. Arachchi	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
24	079	TG/2016/105	Madu Durage Dulshan Prabhashwara Madusanka	**Identification of Peacocks Using Image Processing Techniques and Machine Leaning**	Ms. Rumeshika W. Arachchi	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
25	080	TG/2016/132	Jorsi Gurunnanselage Yasiru Lakshitha Jayawardana	**Identifying Indigenous Medicine Plants Using Image Processing Techniques**	Ms. J.K.D.B.G. Jayaneththi	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
26	081	TG/2016/112	Athuraliya Liyanage Lahiru Prabhath Weerasinghe	**Impact of Outsourcing It Function in Service Sector Organizations of Sri Lanka**	Ms. J.K.D.B.G. Jayaneththi	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
27	082	TG/2016/124	Rathnayaka Mudiyanselage Sandun Tharuka	**Predict Human Personality Based on Handwritten Signature**	Ms. C.R. Liyanage	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
28	083	TG/2016/098	Walimaha Sarukkalige Chamini Sandunika Premathilaka	**Predicting Undergraduates' Employability Using Data Mining Techniques**	Mrs. Jayani Imalka	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
29	084	TG/2016/099	Athukorala Udumullage Imalsha Madhuwantha	**Predicting Weather Condition for Paddy Cultivation in Ibbagamuwa Area Using AI Technique**	Dr. P.K.S.C. Jayasinghe	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
30	085	TG/2016/094	Raththaran Gedara Iresha Madumali Kumari Jayarathne	**Prediction of Construction and Demolition Waste Generation of Residential Projects in Sri Lanka**	Ms. Jayani Imalka	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).

31	**086**	TG/2016/101	Godawela Sayakkarage Ayesh Lakshan Anushanga	**Prediction of the Best Vacant Public Bus Seat for long Distance Travelling Woman**	Mr. P.H.P. Nuwan Laksiri	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
32	**087**	TG/2016/118	Ramanayake Herath Mudiyanselage Gayani Umedya Aawathugoda	**Predictive Analysis of Ceylon Cinnamon Market Price Fluctuations Using Artificial Neural Networks**	Mrs. Jayani Imalka	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
33	**088**	TG/2016/091	Sanduni Prarthana Rajakaruna	**Product Selling Behavior Identification in Medium-Scale Supermarkets in Colombo District Using Data Mining Techniques**	Ms. J.K.D.B.G. Jayaneththi	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
34	**089**	TG/2016/129	Kottage Midhara Dunusinghe	**Sinhala Language - Based Personal Assistant Software Using Deep Learning and Speech Recognition**	Mrs. Dinithi Vithanage	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
35	**090**	TG/2016/137	Sinnalebbe Abdul Mueesu	**Smart Water Supply Billing System**	Dr. P.K.S.C. Jayasinghe	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
36	**091**	TG/2016/123	Kiyanduwa Vithanage Hashan Chathuranga Dharmapriya	**Teach Morse Code to the Visually Impaired People for Better Communication Using Vibrate Technology in Smartphones**	Ms. J.K.D.B.G. Jayaneththi	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).
37	**092**	TG/2016/119	Ranhoti Gedara Chamodi Kavindya	**Text-Based Emotional Detection on Facebook for Depression Analysis**	Ms. C.R. Liyanage	September - 2021	Bachelor of Information and Communication Technology (Honours), 2016 Batch (01).