

## Table of Contents

Authors and Articles		Page
1.	Md. Mujibur Rahman Majumder Syed Mustafizur Rahman Chowdhury	Indices Prediction of Bangladeshi Stock Based on Stacked and Bi-directional LSTM <b>1</b>
2.	Md. Ismiel Hossen Abir Taspia Salam	Enhancing Bangla Handwritten Optical Character Recognition (OCR) For Joint Letters Using Deep Learning Approach <b>9</b>
3.	Halima Tuss Sadia Shishir Mondal Nilay Arman Rahman Md Faysal Ahamed Mekhala Mariam Mary	Improving Skin Lesion Segmentation Accuracy in Dermatological Imaging using SegNet: A Deep Learning Approach for Enhanced Diagnostics <b>17</b>
4.	Md. Ismiel Hossen Abir Taspia Salam	Understanding Psychological Dimensions of Student Life Using Machine Learning Approach <b>29</b>
5.	Mekhala Mariam Mary Md. Faysal Ahamed	Using Machine Learning and Explainable AI for Early and Accurate Detection and Diagnosis of Heart Disease <b>37</b>
6.	Engr Md Abdul Based Miah Golam Rabbany Md Sobuj	Effect of Combined Enzyme, Stone and Bleach Wash on Denim Fabrics <b>45</b>
7.	Shamima Siddika Hasibul Hossain Harunur Rashid Bhuiyan	Modifying Bleaching Parameters: Effects on Cotton Woven Fabric <b>53</b>
8.	Jaglul Haque Mridha Harunur Rashid Bhuiyan Hasibul Hossain	Revealed Comparative Advantage (RCA): A Comparative Analysis of Pre and Post US–GSP Suspension for RMG Industry of Bangladesh <b>59</b>
9.	Engr Md. Musa Ali Reza Shamima Siddika Engr. Md. Abdul Based Miah	Evaluating Knit Denim as an Alternative to Woven Denim: A Comparative Study of Physical Properties, Dimensional Stability, and Color Fastness <b>65</b>
10.	Farhana Israt	Parametric Evaluation of Li-ion Battery for Different Anode Materials <b>77</b>
11	Md Zahid Hasan Ibrahim Khalil	Phytochemical Profiling, Elemental Constituents and Antimicrobial Efficacy of the Sponge <i>Haliclona oculata</i> Collected off the Bay of Bengal. <b>83</b>