CONTENTS

No	Title	Author	Page
1	Energy Savings in Air Handling Unit by Using Heat Pipe Heat Exchanger	Saw Yu Mon	1
		Ei Thandar Myo	
2	Design of Centrifugal Compressor Impeller for Fertilizer Plant	Aye Thida San	6
		Soe Myat Thu	
		Khin Thandar Aung	
3	Flow Simulation of Centrifugal Compressor for Gas Turbine Power Station	Khin Swe Swe Latt	12
		Thwe Thwe Htay	
4	Flow Simulation Aimed on Velocity and Pressure Distribution around the Submersible Pump Impeller	Nang Mya Nu KhineTun	17
		Ei Ei Soe	
5	Experimental Investigation of Performance of Diffuser Integrated Vertical Axis Wind Turbine	Thandar New	23
		Kyaw Aung	
		Aye Aye Khaing	
6	Experimental Investigation of a Downdraft Gasifier by Agricultural Residues	Khin mar Oo	29
		Nwe Lin Minn	
		Thu Thu Linn	
7	Aggregate Production Planning of a Cement Industry in Myanmar Using Linear Programming	Aung Myo Lwin	33
		Yin Yin Tun	
8	Numerical Simulation of Rotor-Stator in Propeller Turbine	Khin Ohnmar Myo	37
		Aye Thwai Thwai Tun	
		Cho Cho Khaing	
9	Replacing Spur Gear with Helical Gear in Power Transmission System for Upland Tiller	Dr Aung Zaw Tun	43
		U Phyo Wai Linn	
		U Ko Ko	
10	Design of Plumbing System and Variation of Hydrostatic Pressure for Eighteen Storey High Rise Building	Khin Zar Ni Myint	48
		Thant Zin Oo	
11	Design and Structural Analysis of Impeller Blade for	San San Yi	53
	Centrifugal Pump	Mi Mi San	
		Yu War Myint	
12	Numerical Analysis of Cantilever Beam's Deflection for Varying Loads by Using Solidworks	Win Kyaw Thu	60
		Khin San Htay	
		Zaw Htway	
13	Design and Analysis of Piston for Four Stroke Single Cylinder Engine by Using Different Materials	Arkar Htun	66
		Zin Mar Nwe	
		Thin Thin Oo	

14	Design Calculation of a Double Suction Centrifugal Pump (Impeller) by Using MATLA	Dr Aung Kyaw Soe	72
15	Design and Construction of Pretreatment Water Purification System for Technological University (Lashio)(500L/Hr.)	Than Tun Aung	77
		May Thu Aung	
		ThihaKyaw	
16	Design, Construction and Performance Testing of Pico Hydro Turbine for Rural Electrification	Ei Ei Mon	82
		Cho Cho Khaing	
		Aung Zaw Lynn	
17	Design of Hydraulic Ram Pump and Performance Analysis on Different Parameters	Cho Cho Khaing	87
		Aye Aye Khaing	
		Kyaw Aung	
18	Design and Heat Dissipation of Internal Combustion Diesel Engine Exhaust Valve	Aung Zaw Lynn	91
		Kyaw Linn Soe	
19	Mathematical Modeling of an Rlc Circuit and Analysing the Responses	Yi Yi Thant	96
		Hnin Hnin Khaing	
20	Some Applications of Conic Sections in Engineering Field	Khin Sandar Win Myat Phone San	101
21	Some Applications of Hamiltonian Graphs		107
		Khin Hnin Sein	107
		San San Win	
	Application of Triangular Elements Method for Poisson's Equation	Win Win Soe	
22		Ni Ni Win	111
		Ei Ei Chaw	
23	Some Applications of Projectile Motions in Real Life	Moe Thandar	117
		Lai Mon Aung	117
		Ngwe Kyar Su Khaing Yi Yi Myint	
24	Numeric Solutions of Non-Homogeneous Ordinary Differential Equations by Runge-Kutta Method and Runge- Kutta-Fehlberg Method with Matlab Codes	May Zun	123
		Yin May	-
		•	
25	Solving the Forcing Functions in Electric Circuit by Using Fourier Series	Nilar Mya Win	128
		Sandi Kyi Myint	120
26	Application of Prim's Algorithm Method for Travelling Nine Pagoda Named as Shin Koe Shin in Dawei Region	Ei Myat Mon	422
		Win Win Soe	133
		Htay Htay Khine	
		Khin Kyawt Kyawt San	

27	Solving the Bounded Regions with Double Integrals in Real Life	Yi Yi Myint	138
		Ngwe Kyar Su Khaing	
		Lai Mon Aung	
28	Solving RC, LC, RLC-Circuits Problems by Using Laplace Transforms	Nang San San Myint	144
		Sein Win	
29	Solving the Assignment Problems in Social Life	Ngwe Kyar Su Khaing	148
		Ni Ni Khaing	
		Kyaw Thet Lin	
30	Mathematical Performance Analysis of Engineering Students Using Descriptive Statistics and Absorbing Markov	Sandar Lwin	153
		Ni Ni Win	
		Swe Zin Myint	
31	Approximate Solutions of Initial Value Problems for Ordinary Differential Equations Using Adams-Bashforth and Adams-Moulton Methods	Khin Kyawt Kyawt San	159
		Nwe Ni Myint	
		Win Win Soe	
32	Effective Queue Management of Three Supermarkets in Myeik City	Kyi Kyi Nwe	165
		Myo Ma Ma	
33	Lexical Relations in the Selected Proses by Bertrand Russell	Thae Ei Ei Nyein	170
		Phyo C Thu	
34	Discourse Markers in the Essay Diaries of the Undergraduate Students	Phyo C Thu	174
		Thae Ei Ei Nyein	
35	Developing the Writing Skill of the Engineering Students at the Technological University (Hmawbi)	Htet Htet Aung Swe	179
		Myo Myat Htwe	
		Ngu War Myo Hlaing	
36	A Study on Three Types of Deixis Found in the Short Story Two Thanksgiving Day Gentlemen by O. Henry	Hnin Yu Maw	183
		Khin Thinzar Oo	
		Nilar Aye	
37	Enhancing Students' Vocabulary Development Through	Cho Cho Maw	188