

TABLE OF CONTENTS

ID	TITLE	PAGES
04-01-01	THE DEVELOPMENT AND TESTING FOR FIBER OPTIC CABLE FAULT DETECTOR IN COMMUNICATION SYSTEM	1-11
04-01-02	DEVELOPMENT OF IOT-BASED WATER SURFACE WASTE COLLECTING ROBOT	12-20
04-01-03	INNOVATIVE BELT SANDER DESIGN FOR EFFICIENCY AND QUALITY	21-29
04-01-04	FULLY CONTROLLABLE LAMP POST POWERED BY SOLAR ENERGY	30-46
04-01-05	SPRINGBACK CONTROL IN SHEET METAL FORMING: A VIRTUAL MANUFACTURING APPROACH	47-54
04-01-06	INVESTIGATING DISTORTION IN AUTOMOTIVE REAR ARMS: A FINITE ELEMENT ANALYSIS AND EXPERIMENTAL APPROACH	55-64
04-01-07	THE DEVELOPMENT OF EMBEDDED ROBOTIC TRAINING KIT USING RASPBERRY PI FOR BEGINNERS IN STEM EDUCATION WITHIN TVET FRAMEWORK	65-73
04-01-08	UTILISATION OF PLASTIC WASTE TO PRODUCE ECO-FRIENDLY FOUNDATION MATERIAL FOR HOUSEHOLD ORGANIZER	74-80
04-01-09	ANALYZE STRUCTURAL MODEL OF MINING RISK EDUCATION FOR AGRO-TOURISM	81-96
04-01-10	THE SMART ASSISTIVE CANE FOR THE VISUALLY IMPAIRED	97-100
04-01-11	INNOVATIVE DEVELOPMENT OF EXHAUST FAN WITH SMART GAS DETECTOR SYSTEM POWERED BY ARDUINO UNO FOR WELDING WORKSHOP SAFETY ENHANCEMENT	101-107
04-01-12	TOWARDS COLLABORATIVE KNOWLEDGE MANAGEMENT BEST PRACTICE (cKMBP) MODEL FOR HIGHER LEARNING INSTITUTION (HLI)	108-117
04-01-13	DEEP LEARNING-BASED SPEECH RECOGNITION OF MALAY DIALECT INSTRUCTIONS USING EDGE IMPULSE	118-127
04-01-14	ASSESSMENT OF OCCUPATIONAL RISK RELATED STRESS AT WORK AMONG WORKERS IN OIL AND GAS INDUSTRY	128-136
04-01-15	PRODUCTION OF ECO FAPERBRICK FROM USED FABRIC AND PAPER WASTES	137-141

Paper ID	Title	Pages
04-01-16	AN EFFECTIVENESS STUDY OF A SMART INSTITUTIONAL PARCEL MANAGEMENT SYSTEM IMPLEMENTED AT POLITEKNIK MUKAH	142-151
04-01-17	OPTIMIZING ENVIRONMENTAL AND PERFORMANCE CHARACTERISTIC OF CANDLE FROM WASTE COOKING OIL	152-158
04-01-18	DEVELOPMENT OF AVIATION FRIENDLY DUSTBIN	159-164
04-01-19	ANALYSIS OF PT MEST INDONESIA'S MARKETING STRATEGY IN ORDER TO INCREASE TRUST AND FERTILIZER SALES	165-172
04-01-20	AN INVENTION OF A SMART BLIND STICK USING IOT	173-178
04-01-21	THE ADVANCING SAFETY AND COMFORT WRIST GUARD USING GEL PAD AND NYLON	179-184
04-01-22	THE IMPACT OF BUILDING LAYOUT ON THE THERMAL ENVIRONMENT AT THE UNIVERSITY_ A CASE STUDY IN UITM PULAU PINANG CAMPUS	185-192
04-01-23	THERMAL ANALYSIS OF HEAT TRANSFER THROUGH FINS OF A FOUR STROKE INTERNAL COMBUSTION ENGINE USING DIFFERENT RESEARCH OCTANE NUMBER (RON) GASOLINE FUELS	193-209
04-01-24	THE INFLUENCE OF CUTTING SPEEDS ON TURNING AISI 1018 STEEL USING CEMENTED CARBIDE INSERT	210-217
04-01-25	PROPOSING EVIDENCE-BASED RECOMMENDATIONS FOR ENHANCING MALAYSIA'S UAS REGULATORY FRAMEWORK	218-228
04-01-26	HEAT TRANSFER CHARACTERISTIC OF VERTICAL COOLING USING SYNTHETIC JET	229-244
04-01-27	NUMERICAL STUDY OF MICRO-MILLING PROCESS USING FINITE ELEMENT METHOD	245-251
04-01-28	ENHANCING LEARNING FOR SLOW LEARNERS THROUGH TECHNOLOGY	252-261
04-01-29	CLASSIFICATION OF NOISE INDUCED HEARING LOSS USING BAYESIAN OPTIMIZATION SUPPORT VECTOR MACHINE	262-270
04-01-30	ANALYSIS STUDY ON INFLUENCE OF TEMPERATURE AND HUMIDITY DURING INCUBATION OF CHICKEN EGGS VIA ALTAIR HYPERSTUDY	271-278

Paper ID	Title	Pages
04-01-31	INFLUENCE OF DRILLING PARAMETERS TO THE CHIP FORMATION OF MACHINING ALUMINUM 6061 USING HSS TWIST DRILL	279-294
04-01-32	REVIEW ON DATA INTEGRITY IN REMAINING USEFUL LIFE PREDICTION	295-305
04-01-33	A STUDY OF 3D PRINTING FOR COSMETIC PACKAGING ON SURFACE ROUGHNESS AND WATER ABSORPTION_ TAGUCHI APPROACH	306-312
04-01-34	AWARENESS AND ATTITUDES OF LECTURERS TOWARDS PHANTOM LOAD MANAGEMENT: A SURVEY AT THE DEPARTMENT OF ELECTRICAL ENGINEERING, POLITEKNIK SEBERANG PERAI	313-321
04-01-35	ASSESSING THE ALIGNMENT OF DIPLOMA IN INFORMATION TECHNOLOGY (DIGITAL TECHNOLOGY) - DDT PROGRAMME WITH INDUSTRY NEEDS IN MALAYSIA	322-326
04-01-36	THE IMPACT OF ONLINE GAMING ON ACADEMIC PERFORMANCE	327-331
04-01-37	INVENTSIMQD: GRAPHICAL USER INTERFACE (GUI) BASED TEACHING APPLICATION FOR QUANTITY DISCOUNTS INVENTORY MODELS	332-339
04-01-38	A REVIEW ON THE MECHANICAL TYPES OF COMBINE BRAKE SYSTEMS IN MOTORBIKE	340-348
04-01-39	DIGITAL DA'WAH: LEVERAGING SOCIAL MEDIA TO SHARE ISLAMIC KNOWLEDGE	349-356
04-01-40	DESIGN IMPROVEMENT OF HEAVY VEHICLE JACK FOR SMALL AND MEDIUM-SIZED ENTERPRISES (SME'S)	357-363
04-01-41	ANALYSIS OF FINAL EXAMINATION PAPER OF CHEMISTRY 1 COURSE FOR POLYTECHNIC TVET FOUNDATION PROGRAM USING RASCH MEASUREMENT MODEL	364-370