

**SENARAI PROJEK YANG DILULUSKAN DI BAWAH SEKSYEN DANA MOSTI TAHUN 2011**

TAHUN	JENIS DANA	TAJUK PROJEK LULUS
2011	SCIENCEFUND	Spiking-LVQ Network for Brain Tumor Detection
		A Linear-Temporal Formal Language for Context-Sensitive Security Policies in Cloud Computing
		FPGA-based Secure Embedded System for Personal Authentication using Finger Vein Biometrics
		Design and Fabrication of Double Negative Material for Microwave Application
		An Integrated Decision Support System using Grid Environment for Forensic DNA Analysis in Crime Investigation
		An application of a MEMS Resonator Based Microhotplate Platform as a Mass Sensitive Flammable Gas Sensor
		IEEE 802.16 (WiMAX) Teletraffic Performance Improvement by Innovative Smart Antenna System
		Automated Intelligent system for medical waste segregation and reuse using neuro-fuzzy logic
		Scale-up of oscillatory flow bioreactor
		Specific, Sensitive and Rapid Detection of Plasmodium knowlesi Infection in Malaria Patients by Loop-mediated Isothermal Amplification (LAMP) Method
		Enhancing Osteogenic Differentiation of Mesenchymal Stem Cells Using Naturally Derived Platelet-Rich Plasma
		Isolation and characterization of feline retroviruses
		Development of a Novel Approach Multiplex LATE-PCR Electrochemical-Enzyme Based DNA Sensor for Sequence-Specific Detection of Vibrio cholerae
		Development of DNA Aptamers as Ligand for Diagnosis of Influenza A H1N1
		Novel subspace technique for extracting brain signals from the background EEG colored noise
		Production of vanillin by in vitro transformation of Capsicum frutescens
		Quantification of improvement of phosphorus and nitrogen nutrition of vegetable crops from phosphate solubilizing bacteria and rhizobacteria interaction using isotopic tracer technology
		Development of Hydrogen Production System by Ethanol Steam Reforming Over Mixed Oxide Catalyst
		System Development for Endothelial and Erectile Dysfunction Diagnosis Based on Pulse Wave Velocity Characterization
		Boundary Element Analysis Of Metal Corrosion Using Polarization Curve
		Development of inverted type bulk heterojunction organic solar cell using dye-coated ZnO nanorods as electron collecting electrode
		Advanced Control of a Tubular-Solid Oxide Fuel Cell
		Innovative Technology in the Production of Biogas from Animal Waste
		Crest Factor Reduction And Digital Predistortion Implementation In Orthogonal Frequency Division Multiplexing (Ofdm) Systems
		A real-time, intelligent in-vehicle Driver Drowsiness Detection Device based on an embedded System-on-Chip (SoC) in FPGA microchip technology
		Catalytic Oxidative Desulfurization of Diesel utilizing Peroxides and supported Transition metals doped Molybdenum Oxide and Manganese Oxide catalysts
		Development of a Mapping Robot
		Piezoelectric Material as a New Electrical Power Generator
One-Pot Low Temperature Methanol Synthesis from Carbon Dioxide and Hydrogen		
The Synthesis of Silicon Carbide From The Carbothermal Reduction Process Using Local Silica Sand For High Temperature Wear Resistant Component Application.		

2011	SCIENCEFUND	Development of a novel Swirling Fluidization Technique for Bio-crude Refining
		Reconfigurable GaAs RF Front End Integrated Circuits for Wireless Applications
		Numerical and Experimental Studies of Mechanical Behaviors of Carbon Nanotube/Polymer Composites
		Off-peak gas turbine waste heat utilisation for stratified thermal energy storage system
		Development of an Integrated Approach for Scheduling and Online Optimization in a Large Process Plant
		Development of Low Cost Low Head Reaction Turbine for Micro Hydro Application
		The Determinants Of Foreign Direct Investment In Malaysian Industrial Sector (Electrical Mechinary And Equipment)
		A Novel Frontal Car Design Concept To Mitigate Pedestrian Casualties and To Improve Crashworthiness
		Fabrication of new read head for magnetic recording devices based high sintering magnetoresistive perovskite manganites
		Production of Biofuel from Agricultural Residues via Fast Pyrolysis Process and Upgrading
		Development Of Nano Particles Of Epoxidized Rbd Palm Olein Acrylate (Epola) As Drug Carrier In Delivery System Using Ionizing Radiation Technique
		Develoment of Portable Ultrasonic Tomography for Agarwood Evaluation
		Distribution And Sources Of Organic Biomarkers In Surface Sediments From Selected Sites Along The Malacca Straits
		Teaching As A Career: A Comparative Study Of Teacher Trainees
		Numerical modeling and field measurement of current circulation and physical processes in southern South China Sea
		Design, Fabrication and Characterization of a MEMS Resonator for 3-D Detection of Static to Low Frequency Magnetic Fields
		New Feedforward Constant-Amplitude Controller Based on Neural Network for Attitude Maneuvers of a Flexible Satellite by Using On-Off Reaction Jets
		Non-Invasive Ultrasound Imaging for Long Bone Fracture Detection
		The effect of Ranibizumab on human Tenon's fibroblast and its potential use as a novel anti-scarring agent for glaucoma surgery
		The Impact of Cook Chill Technology on Physicochemical Properties, Nutritional Value, Shelf life of food and Consumer Acceptability of Malaysia Food Product
		Real Time Implementation and Simplification of An Orthogonal Space Time Turbo Trellis Continuous Phase Modulation with Optimizing Trellis States and Matched Filters Algorithms.
		Targeted Drug Delivery System Using Nanoparticles And High Intensity Focused Ultrasound (HIFU)
		Multiple and Simultaneous Lightning Strike Interaction with Reticulated Gas Pipeline Systems
		Hybrid FSO/RF Communication System for Wireless Broadband Services
		Quality of Life and Psychological Disabilities among Chronic Renal Failure Patients.
		Towards Zero Emission of Carbon Dioxide: A New Technique for Carbon Dioxide Capture by Clathrate Hydrate Formation
		An optimisation of the waste components, storage and handling process of fuel briquettes made from agricultural and farming wastes to enhance their utilisation as an alternative energy fuel source
		Development of dexterous robotic arm and hand for deformable object manipulation
		To develop a Brain-Computer Interface System using Steady State Visual Evoked Potentials for communication.
		Development of a thermoacoustic heat engine for rural application
Urban heat island in Malaysia		
Feasibility Study on Herb Leaves Recognition Algorithm Using Vision Techniques and Odour Sensing for Herbs and Plant Classification and Data Warehousing Expert System		

2011	SCIENCEFUND	Pulse Laser-assisted Nano-texturing of Silicon Surface with Double Nano-textured ZnO Transparent Conducting Oxide Growth for Effective Photon Entrapment in High Efficiency HIT-Silicon Solar Cell for WSN
		A Predictive Centralized Protocol for Enabling Seamless Layer-2 Roaming Capabilities in secured Wi-Fi Access Environment
		Effective Differentiation Multihopping in Optimizing Wireless Access and Backhaul Networks
		Coverage and Capacity Optimization for 4G Heterogeneous Multi-hop Broadband Wireless Networks
		Seamless Inter Network Mobility for Nodes in Personal Area Network using IPv6 Protocol
		Reducing Server Workload and Long-Distance Traffic with Server Mobility and Dynamic Traffic Redirection
		Distributed Cooperative Sensing Mechanism and Dynamic Spectrum Management for Wireless Mesh Networks
		Cooperative Interference and Detection for Cognitive Radio Networks
		Development of Pisang Berangan ( <i>Musa accuminata</i> sp.) with resistance to Fusarium wilt through in vitro mutagenesis.
		Hardware Prototyping of Photoplethysmography Based Cardiac Monitoring Technique for Devising a Practical Remote Health Monitor
		Development of Boron-Selective Adsorbent using Radiation Induced Grafting Technique
		Double Sided High Density Solid State Carbon Nanotube based Ultracapacitor for Microenergy Storage in Green Technology
		Improving the Recovery of Rubberwood Dimension Stocks from Saw-dry-rip (SDR) Process, Incorporating High Temperature Drying.
		Determination Of Conversion Factor From Small Clear Specimen To EN 408 Strength Values For Malaysian Timbers
		Population biology, feeding physiology and reproductive potential of selected resilience fish species in Malaysian estuarine ecosystem.
		Effects of Water Management System on Aerobic Rice Performance in Different Rain-fed Areas
		Potential of biochar from rice husk as inoculant- carrier for nitrogen fixing bacteria
		Impact of Selective Logging on Tree Diversity, Soil Properties, Carbon Stock and Sustainability of Key Timber Species Population in an Upper Hill Dipterocarp Forest, Peninsular Malaysia.
		Evaluation Of Interim Technology Package Of Aerobic Rice In Sabah
		Optimising Amino Acid Utilization From Protein Sources For Fish Nutrition
		Glasshouse evaluation of microbial antagonists for suppression of plant pathogen <i>Erwinia chrysanthemi</i>
		Software System for Design of Linear and Nonlinear Controllers for Nonlinear SISO and MIMO Plants
		Enabling AVQoS for Adaptive Streaming in Heterogeneous Network Environment Utilizing Non-Intrusive Bandwidth Information
		An Intelligent and Cognitive Selection Mechanism for Multiple Wireless Broadband Technologies
		Statistical Background Modelling and Object Extraction in Dynamic Scene
		Certificate-free Key Infrastructure for Large Distributed Networks
		Addressing cognitive overload with automated camera view selection in an augmented virtual environment
		An Overlay Network for Service Specific Applications in Virtualized Environment
		An Open and Robust Architecture for Internet of Things Using a New Layered Protocol Approach
		Low Power, High Resolution, Low Noise, Unified Sensor Electronics
Highly Sensitive Sub-PPM Molecular Detection Nanosensors based on 2-D graphene nanolayer for Wireless Sensor Network (WSN) Applications		

2011	SCIENCEFUND	Enabling Fast and Accurate Image Analysis for Detecting Abnormal Human Posture Utilizing Software Reconfigurable Processor
		Research into method for indexing the Linked Open Data cloud to facilitate the distributed query of semantic knowledge
		New innovative Data Mining and Information Retrieval Techniques for Intelligent Automatic Request Personalization in User Aware Application
		Optimisation of Adaptive Testing Algorithms and Item Selection for Computerised Adaptive Testing (CAT) Delivery
		An Ontology-based Integrated Model for Automatic Knowledge Analytic Discovery
		Proof-of-concepts study of injectable non-viral gene delivery system of DNA-loaded N.Sativa/chitosan/PLGA nanoparticle to neuron cell lines (Neurobionanoparticles-CR)
		Development of advanced and promising mutant lines derived from mutagenesis of <i>Oryza sativa</i> cv MR219 for drought-tolerant, blast resistant and quality traits
		High throughput fingerprinting using IMP [Inter-Miniature Invert Repeat Terminal Element (MITE) polymerase] marker technology on MARDI's papaya germplasm for diseases resistant traits
		Development Of Immuno-based Rapid Assay For Assessing Population Of <i>Colletotrichum capsici</i> And <i>Colletotrichum gloeosporioides</i> On Chilli Crop As Early Warning System For Anthracnose Disease
		Design and development of Substrate Integrated Waveguide Filters
		Research and development of a hybrid luminescent and holographic solar concentrator integrated with bi-facial solar cells
		Treatment of Textiles Industrial Wastewater by E-Beam: Effect of Decolouration on Biodegradability
		Application of Radiation in the Development of Microwave Absorbing Ferrite-TPNR Nanocomposite
		Study and development of multifunctional nano-TiO <sub>2</sub> paint
		Development of high temperature high pressure (HTHP) test rig for industrial radiotracer application
		Low-dimensional Nanostructures for Hydrogen Gas Sensing
		Development of an integrated induction thermography system for the detection and evaluation of pipeline imperfection in nuclear power plant (NPP)
		Development of Ferro-electric Materials for High-frequency RFID Sensor Applications
		identification of palm oil mill effluent (pome) as a source of contamination in water bodies using nuclear forensic technique
		Development of Hyperbranched Curable Resin from Palm Oil
		Development of Polymer Based Radiation-Sensitive Indicator for Dosimetry of High Energy Ionizing Radiation
		Development of electrospun polymer nanofibers based natural rubber (NR) using electrospinning technique.
		Radiation Modified Polymeric Material for Active Packaging Applications
		Production of cross-linked carboxymethyl sago starch using irradiation in alkyne gas for industrial application
		Development of Local Silica Sand Moulding for Aluminium Alloys and Copper Alloys Precision Casting.
		Development of inorganic-organic hybrid thin film matrices with stable photochromism for high security marks applications
		Fabrication of light weight nanostructured aluminium foam for high impact energy absorbing component in automotive application using isostatic pressure assisted sintering process
		Development of Red Emission of Europium (tta) <sub>3</sub> phen Complex Doped Low-Density Polyethylene Film for Agricultural Greenhouse Application
Development of Inconel 718 Parts using Super Critical Carbon Dioxide (CO <sub>2</sub> ) Debinding Technique for Potential Aerospace Industry Application		
Surface Treatment To Improve The Interfacial Properties of Aluminium-Carbon Composite Systems For Hi-Pressure Vessel Application		
Development of Lithium Silicate as Cathode Material for Li-ion Battery Application		

2011	SCIENCEFUND	Development of Composite Lithium Titanate Oxide as an Anode Material for Li-ion Battery Application
		Application of Core-Shell Quantum Dots for Glucose Monitoring
		Development Of Moulded Laminated Bamboo Veneer As Components For Selected Furniture Design
		Application of Nano-hybrid Biocomposite for Development of Intergrated Aquacultural Cage Via Radiation Induced Process
		Lichens as biomonitors for actinides and trace elements pollutants in urban, industrial and reference areas of Malaysia.
		Biopesticidal Properties Of Essential Oil Extracted From Jeremin (Pelargonium Radula)
		The study of Solar Activities for Space Weather Application through Radio Astronomy
		Investigation into Decomposition of Hydroxylammonium Nitrate (HAN) - Based Monopropellant via Electrolytic Ignition Method
		Realibility Study on Ionosphere Model for SBAS System
		Magnetic Induction Tomography (MIT) for Low Conductivity Materials
		Development of Prototype Virtual Reality Surgical Simulator with Haptic Force Feedback for Phacoemulsification Cataract Surgery Training
		Augmenting the removal of active ingredients of Ganoderma lucidum and their encapsulation in the Nanosized Liquid Vehicles (NLVs) to improve the bioavailability using ultrasonic cavitation
		Development of the gaharu resin production via the inducement technology in Aquilaria beccariana
		A Unified Quasi-Distributed Optical Sensing For Aquaculture Based on Nanomaterial Doped Optical Fiber
		Algorithms for Organizing and Managing Conceptual Graph Database
		Polarization Rotated Interferometer Approach on Portable and Contactless Spectroscopy Optical Detection for Biomedical Application Utilizing Phase Controlled Connes Technique.
		Optimization of Latent Trait Theory and True Score Test Theory in Instructional Competencies Item Bank
		Potential Of 'Chinese Boxthorn' (Lycium chinensis) For Soil Erosion Control In Vegetable Farm
		Evaluation and Utilization of Rubber Processing by-product and Feather Meal as Feed Ingredients in Fish Nutrition
		An Effective Performance Evaluation System for Practical Quantum Key Distribution Protocols using OptiSystemTM
		The Development And Implementation Of An Intelligent Tracking And Monitoring System Using Embedded Wireless Sensor Network (Wsn) With Radio Frequency Identification (Rfid) For Industrial Automation
		Standalone Digital signal processing (DSP) Design for Biomedical Signal Processing Based on Kalman Filtering
		Multi-Feature Optimization Modelling for Object Recognition in Conceptualizing Domain Independent Images
		Malware Auto Analyzer, Detector and Removal Toolkit based on x86 Disassembler and Emulator
		Development of a simplified and cost-effective technique for recovery of cyclodextrin glucosyltransferase (CGTase)
		Halal collagen from chicken by-product for cosmetic and personal care applications
		Jatropha curcas L. kernel meal as a biofeed
		Dissecting the role and function of a putative multifunctional protein
		Surface Alteration of Recombinant Hepatitis B Virus Capsid with a Novel Universal 'Nano-Glue' for Cell Targeting Delivery
		High Immunity Breeds Selection of Epinephelus fuscoguttatus (tiger grouper) Fingerlings against Vibriosis through Transcriptome Array Assessment.
Establishment of Disease Resistance Protein Biomarker for Epinephelus fuscoguttatus (tiger grouper)		

2011	SCIENCEFUND	In vitro evaluation on the Anti-Atherogenic Effects of Macluraxanthone in Endothelial Cells
		Identification of breast and prostate cancer stem cell DNA marker and evaluation of chemotherapeutic drugs on derived cancer stem cells
		Immuno-Biosensor development for early warning system of dinoflagellate ( <i>Alexandrium</i> sp.) producing bio-toxin (saxitoxin) in aquaculture industry
		Epidemiology And Biocontrol Of Papaya Dieback Disease In Malaysia
		Alternative protein produced from POME as additives for poultry
		Molecular Markers For Vascular Streak Dieback Disease Resistant Clones
		The development of tumour antigen-derived peptide vaccines for cancer therapy
		Development of Paddy Waste as an Alternative Plant-Based Corrosion Inhibitors for Metal Alloys
		A Smart Wireless Sensor Network for Microcrack Detection and Monitoring in Common Building and Bridge Structures.
		Effect of Particle Size of Fatty Acid Nanocrystals in Cream For Dermal Delivery of Substances Into Skin
		Floc Characteristic Optimization Of Synthetic Polymeric Flocculant Based On DADMAC Monomer For Selective Waste Water Treatment.
		Potential of oil palm ash as a new filler in natural rubber compounds
		Development of Sustainability Model of ISO14001 Standards through an integration with Lean Principles
		Damage Analysis and Life Extension for Boilers and Components Under Extreme Environment
		Development of Advance Nuclear Imaging and Mechanism for Distillation Column
		Economic Valuation of Mangrove Forest and Its Implications to Coastal Community
		The role of cytochrome P450 and inflammatory response in the hepatoprotective action of plant natural sources
		The Extent and Impact of the Releases of Radioactivity from the Fukushima Daiichi Nuclear Power Plant Accident into Malaysian Marine Environment
		Lutein From Sweetpotato ( <i>Ipomoea Batatas</i> ) Leaves For Development Of Functional Snack
		Efficacy Of Formulated Nucleopolyhedrosis Viruses (fnpvs) Against <i>Plutella xylostella</i> , <i>Spodoptera exigua</i> and <i>Spodoptera litura</i>
		Evaluation and selection of high yield, dwarf and good quality mango from open-pollinated population
		Development Of A Continuous Processing System for Production Of Stackable Crisp (pringle Like) For Small/medium Scale Processing Plant.
		Highly efficiency solution processable photocrosslinkable organic tandem light emitting diode:towards high efficiency white light
		Antiulcer Activity of <i>Bauhinia purpurea</i> Leaf Extracts: Determination of Their Mechanism of Actions and Isolation of the Responsible Bioactive Compounds
		Assessing The Walkability Of Tourism Places In Malaysian Cities
		Development of Fine-grained Parallel hp-Adaptive Finite Element Method for Analysis of Micro-power Generation in Microcombustors
		Development of Alumina Ceramics For LED Heat Sink Application
		Design and development of on-slope greenhouse system (OSGH) with minimal ground cuts for control of erosion, environmental quality and establishment of good agricultural practices.
		Development Of A Novel Cocoa-Scented Perfume
		Development of Intelligent Video Watermarking for Copyright Purposes
A novel low-cost multiplexing technique for optical communication systems in order to bridge the digital divide		
Mode of Antibacterial Action of Chitosan Based Nanoparticles on Gram Positive and Gram Negative Bacteria		

2011	SCIENCEFUND	Development and characterization of novel siRNA loaded polymeric micelles based on chitosan-pluronic-folic acid for the targeted delivery of anticancer drugs
		Development of recombinant baculoviruses expressing insect selective biopesticidal protease
		Anti-pathogenic properties of plant protease inhibitors (PIs): Cloning and expression of Serpin 1 and Kunitz-type trypsin inhibitor genes from indigenous turmeric, <i>Curcuma</i> sp.
		Repositioning and Discovery of New Non-steroidal Anti-inflammatory Drugs using Molecular Informatics Technique
		Pulsed Field Dielectrophoretic-Field Flow Fractionation (DEP-FFF) Integrated with Optical Detection on a Biochip for Biological Application
		Genetic engineering of <i>Agrobacterium tumefaciens</i> for enhanced plant transformation
		Mass Propagation of High-Yielding Cocoa Clones
		New room temperature diluted magnetic semiconductor oxide (DMSO) based on In:Cr and In:Co film for spintronic application
		Surface Acoustic Wave Technology for Wireless Sensor Flammable Gas Detection
		Nanostructured Herbs Delivery System
		Development of Polyvinyl Chloride / Epoxidized Natural Rubber /Carbon Nanotubes Nanocomposites by using Electron Beam Irradiation
		The synthesis of nanostructured 2H-SiC for metal oxide semiconductor field effect transistor application
		Identification of Malaysian Seagrasses using Morphology and Molecular Approach
		Utilization of Aquatic Macrophytes for Papermaking
		Multistatic Synthetic Aperture Radar for Airport Runway Safety
		Rare earth elements (REEs) and trace metals studies in rocky shore organisms, related to those in sediment along Peninsular Malaysia coastal waters
		Modelling Water Resources and Stormwater Management Strategies for Large Scale Dual-Function Rainwater Tanks Incorporating Climate Change and Urbanisation Scenarios
		Development of Eco-friendly and Biocide-free Maritime Antifouling Coating Based on Silver Nanoengineering Technology
		Development Of Maturity Detector and Grading Machine for Pineapples Using Smart Sensor System
		Operational modal analysis of aeroelastically induced composite wind tunnel model
		Development of Fast Dispersible Natural Fruit Powder Tablets
		Development of High Speed Electronics Read-outs for Highly Sensitive Mobile Gamma Camera in Breast Cancer Imaging System
		Effect of oligosaccharide prebiotic on performance and egg quality of laying hens
		Modified Nickel-Cobalt Oxide/Activated Carbon Composite For Supercapacitors
		Development of food grade green lubricants
		Design and Fabrication of a High Data Rates, Low Power Binary Phase Shift Keying Modulator for Capsule Endoscope
		Low-Cost and Sustainable Technology for Harvesting Humic Acids
		Geographic Information System - Decision Support System (GIS-DSS): Towards Environmental Health Indicator for Poultry Husbandry
		Availability, Application and Accessibility (A3) methodology for assessment of sustainability of biomass utilization technology.
		Efficacy Of <i>Beauveria bassiana</i> And <i>Hirsutella citriformis</i> as a Biological Control Agent Against The Brown Planthopper, <i>Nilaparvata lugens</i> stal. In Rice Ecosystem In Malaysia.
Omnidirectional Surveillance System Featuring Trespasser and Faint Detection for i-Habitat		
Expression of influenza H1N1 epitopes on a plant virus nanoparticle		

2011	SCIENCEFUND	Genetic and Morphological Characterisations of Fragrant Rice Cultivars for Irrigated Area in Sabah
		Characterisation Of Bioactive Metabolites Isolated From Tiger's Milk Mushroom ( <i>Lignosus rhinocerus</i> )
		Dietary phytochemical strategy for obesity and obesity-linked diseases using metabolomic approach
		Bioreactor platform for enhancing the production of useful secondary metabolites from hairy roots of Kacip Fatimah ( <i>Labisia pumila</i> var. <i>alata</i> )
		Evaluation of Probiotic Formulations for the Control of Coccidiosis in Broiler Chickens
		Genetic engineering of rice resistant against Goldan Appla Snail ( <i>Pomacea canaliculata</i> ).
		Nutritional Biotechnology Application in Enhancing Growth Rate and Flesh Quality and Functionality of Malaysian Mahseer ( <i>Tor tambroides</i> )
		Genetic Engineering of Gibberelin Catabolism in Malaysian Rice MR 219
		Application of toxicogenomics and conventional toxicology for safety assessments of bioactive compounds derived from <i>Mitragyna speciosa</i>
		Development of an in vitro Anti-Trypanosomal Assay in 384-Well Format for High Throughput Screening of <i>Trypanosoma brucei rhodesiense</i>
		Development of High-Throughput-Screening (HTS) Assay For Screening of PPAR-gamma Ligand.
		Postgenomic Discovery of Small Hypothetical Proteins from <i>Bacillus Lehenis G1</i> Alkaliphile
		Peptides Design and Synthesis Based on Enzyme Mimic for Industrial Needs
		Elucidating the Gaharu Resin and Other Biosynthetic Pathways by Large Scale Transcriptome and Metabolite Profiling
		High Throughput Screen of Synthetic and Small Molecules as Anti-Infectives
		Identification of novel enzymes for total utilization of biomass via transcriptomics of termite digestome
		Resequencing, Transcriptome profiling and Bioinformatics-Based Analyses of a Novel Indigenous Hyperthermophilic <i>Geobacillus</i> species for Industrial Biotechnology Applications
		Genome Based Robust Enzymes Discovery For Industrial Applications: Proteomics identification of secreted enzymes from <i>Bacillus lehenis G1</i>
		Use of live bacteria as a novel cancer antigen delivery system
		Development of Virgin Coconut Oil Emulsion Based Products as Functional Food Supplement.
Coastal erosion studies of the east coast and vulnerable small island regions of Peninsular Malaysia		
Formulation of P[3HB-co-4HB] Nanoparticles for Anti-cancer and Anti-tuberculosis Drug Delivery System		
2011	TECHNOFUND	Development of Novel Bird's Nest Products Fortified with Resveratrol Extracted from <i>Polygonum Cuspidatum</i> (Japanese Knotweed) Coupled with Nano-Particle for Better Bioavailability
		SUSTAINABLE THIN FILM PV BUILDING AND THE RENEWABLE ENERGY GENERATION AT THE TIP OF BORNEO, KUDAT, SABAH.
		Malaysia Secured Mobile Application For Short Messaging Services (SMS) And Multimedia Messaging Services (MMS) System
		ENHANCEMENT OF THE PROTOTYPE SYNTHETIC APERTURE RADAR - UNMANNED AERIAL VEHICLE (SAR-UAV) SYSTEM FOR MULTIPURPOSE REMOTE SENSING APPLICATION
		R&D of Bare Silicon Wafer Inspection and Sorting Machine
		DEVELOPMENT OF PROTOTYPE BLOOD GLUCOSE MONITORING SYSTEM
		Fabrication of highly Doped Active Optical Fiber for laser application
		Combined OWLEF solution for Enabling Low Cost and Power Efficient High Speed Spontaneous Emission Device (HSSE) Component Packaging
		AxChange Interactive Media



2011	TECHNOFUND	Pre-Clinical Evaluations of Malaysian-made "Osteopaste" – An Injectable Self-hardened Synthetic Bone Cement.
		Research and Development of Beyond DLP (bDLP) - Total Data Protection
		Pembangunan Enjin Bot Sangkut Buatan Malaysia, Super Red 1
		Dual Counter Rotation (DCR) Generator Fuel/Energy Saver
		Development and Certification of High Pressure Miniature Safety Valves for Controlling and Monitoring Well Head Operation in Extraction of Crude Oil at Onshore and Offshore Platforms
		Digital identification and weight recording system for livestock
		Integrated Intelligence Surveillance system
		Liquid Immersion Bioreactor (LIB) method to generate MD2 pineapple plantlet for nutturing farmers in Malaysia
		An Integrated processor and Palletizer system for oil palm empty fruit bunches (EFB)
		PILOT PLANT PRODUCTION OF CARBON-DOPED IRON ORE USING AGRO-RESIDUES AS SOURCE OF ENERGY AND PROCESSING MATERIAL
		Pre- Commercialisation of Bioreactor Technology for Mass Production of In Vitro Plantlets of Banana CV Tanduk
		Bot Nelayan Rekabentuk Baru Pacuan Elektrik yang Dijana dari Tenaga Alternatif
		Production Of Rayon Staple From Kenaf As A Raw Material For Textile Industry
		Pre-Commercialization of 0.18 micron 1Malaysia Smart Chip
		To develop Malaysia 1st universal tool & cutter grinding machine using home grown technology (8 axis).
Next Generation Intravenous Catherer		
Expansion of Patented Industrial Pulverized Burner into Boiler and Heat Exchange System Fueled by Biomass Material		
INNOFUND		
2011	Community	K-Masjid
	Enterprise - Micro	Ceiling Fan Cleaning Machine
	Enterprise-Small	PLPT-Portable Leak & Pressure Test Method
	Community	Beliakreatif: Pusat Teknologi E-Komuniti Kreatif Multimedia Untuk Memperkasakan Belia Kampung Kijang
	Community	Peningkatan Sosio-Ekonomi Komuniti Melalui Pembangunan Kemudahan Ekstraksi Produk Oleoresin Gaharu Dan Aplikasi Teknologi Inokulasi Pokok Karas, Fasa 2: Pembangunan Kilang Ekstraksi Minyak Gaharu Berinovasi"
	Enterprise-Individual	Low-Cost Mobile Charger for Mobile Phone
	Community	Emergency Volunteers and Alert System for Remote Areas (EVAS)
	Enterprise - Micro	Menaiktaraf dan membekalkan Sistem Kutipan Yuran (SKY) secara online
	Community	Pembuatan dan pemulihan kerusi roda khusus kanak-kanak spastik secara tailor made
	Enterprise-Small	Custom-made CNC machine for Foundry Pattern and Model-Making
	Enterprise - Micro	Projek penternakan Udang menggunakan Sistem Networking dan skala kecil
	Enterprise-Small	Ergonomic Antimicrobial Body Wash dispenser for rheumatology and dermatology patients
Enterprise-Individual	Negative Pressure Wound therapy Device	

2011	Community	Obesity Busters: A community project to address alarming obesity problem amongst school children.
	Community	Projek Penanaman dan Pengeluaran Bahan Pertanian Bernilai Tinggi (v.planifolia) Melalui Penggunaan Teknologi Aruhan Bagi Menghasilkan Awal Buah (fasa Pembinaan Pondok Pelbagai Guna Untuk Ladang Vanilla)
	Enterprise - Micro	Proksi Medium Expansion (PMX)
	Enterprise - Micro	Zi Skill Training Mart
	Enterprise - Micro	Cloud Data Management System
	Enterprise - Micro	Pembangunan dan penghasilan tong pemerapan dan tekanan (Pekasam Compress Bin innovation System)
	Community	Community Empowerment For Dyslexia Through Use Of Optometric Assistive Technology Aids, Interactive Website Delivery And Teacher And Parent Education Programs
	Community	Each One Teach One (TeamTeach)
	Community	PUSPANITA Online Reservation System
	Enterprise - Micro	Development of Enhanced Interactive Education Enabler with High Sensing Augmented Reality Platform
	Enterprise - Micro	Pengkomersilan Kincir Angin Wind on Wheel (WOW)
	Enterprise-Individual	Pembangunan Produk berasaskan Tahu
	Enterprise-Individual	Ergonomic Improvement on baby support pillow for Breastfeeding during travelling
	Community	IDOLA
	Community	Empowering Women wit ICT: Development of Malaysia e-Women Incubator
Community	Water Audit Calculator	