

PROBLEM/ISSUE	SECTOR AS PER SUBMISSION
Reducing processing step & time	Chemistry/ Industrial
Remote input feeding system for solar powered LED advertising display on vehicle.	Solar/ Electrical
To produce packaging material that are more environmentally friendly	Biodegradable/ polymer
Surfactant for formulation and production of water diesel emulsion.	Industrial Product/ Chemistry
Higher Shear Force homogenising.	Industrial Product/ Chemistry
Optimisation of Palm kernel shell (PKS) as biocharcoal.	Activated Carbon
Keypads with coherent functions such as : security, camera, intercom etc.	Electrical/ IT
Applications of melanoidin as natural colorant in food, anti-oxidants, chelating agent etc, and toxicity as food additive.	Biotechnology
CCTV Image analysis.	Electronics/ IT
Separation & Compression of biogas (derived from POME) to be utilised as natural gas to generate electricity via gas fired engines to areas lying in the outskirts of city centers using ?transportable? means, as a substitute from the present more expensive method of providing electricity i.e. through diesel fired engines.	Alternative Energy
Shariah compliance.	E-commerce
Authentication of Kacip fatimah that meets the chemical compounds of Labeesity	Biotechnology
<ol style="list-style-type: none"> 1. Use of equipment/instrument or services 2. Animal testing & clinical trial & allergic test for cosmetic products 3. Home-built equipment 4. Home-built column series 	Nutraceuticals
Leaking bottles at the cap	Manufacturing
Reduce product's weight while increasing its strength	Manufacturing
Contamination	Manufacturing
To use a computer game-based approach for IBS construction training	Electronics/ IT

Reducing processing step & time	Manufacturing
<ol style="list-style-type: none"> 1. To determine Degree of Polymerization for Cellulose 2. To reduce the moisture content of a Cellulose from 100% to less than 30% 	Oil & Gas Specialty Chemicals (MIDA chemical classification)
To ensure product can reduce usage space for small area of firearms storage room	
To develop a combined bacterial vaccine against these diseases.	Biotechnology
Need regular testing of new developed bullet resistant glass products and the actual shooting test is expansive and the set up for testing is time consuming.	Security Glass
<ol style="list-style-type: none"> 1. No in-house autoclave and gamma system for sterilization of garments, disposables, bottling and packaging purposes 2. cGMP grade medias and reagents are very costly 3. Cell culture processing is not standardized; lots of external factor involved 4. QC and blood tests are costly and time consuming 5. No in house small-scale and customized printing and packaging facility 6. Cells suspension in the bottles cannot last longer 7. High risk of contamination during laboratory works can results in costly loss 8. Non-customized cell cryopreservation system 9. Sample processing requires long time 	Medical/ Biotech
To ascertain cause of the malfunction of the battery once installed at the heavy duty vehicle such as lorries or buses, whether is the battery or the alternator that cause the problem.	
Derive preclinical supporting data for Sparay8 and investigate the wound healing mechanism our product is able to demonstrate.	
Looking at other gas than SF6 as a medium of insulation like nitrogen or a mixture of nitrogen + SF6.	
Wastewater in oil and gas industry difficult to achieve international/national requirements of below 15ppm ?oil in water? contents with existing available technology.	
Resolving chemical residue in milk ? allergic to antibiotic & steroid	
Product formulation	
Necessity to undertake some basic technological improvement in order to increase the production capacity, reduce manpower need and improve quality of the products in terms of improving bonding, stability, flexibility and post-polymerization.	
Recommend Bacto-10? can be combined with compost or other organic fertilizers, perhaps can have suitable nutrient for plant growth and can increase the yield.	