

Table 2

Description of criteria for the science (technology) park value-created system.

Aspects/Criteria	Description for criteria
1. Human resource	
1.1. Supply of qualified personnel	The supply of qualified personnel will help the exploration of business
1.2. Human brain cultivation organizations	Human brain cultivation organizations will provide sufficient training courses required by enterprises
1.3. Quality of R&D engineers	Qualified engineers will upgrade the ability of R&D results
1.4. New jobs creation	Talented personnel will apply for a good job
1.5. Incubator resources	Sufficient incubation resources will contribute to the establishment of new start-up companies
2. Technology resource	
2.1. Quality of research institution	The quality of research institutions will influence obtaining technologies of enterprises
2.2. Cooperation between industries and academics	The better the cooperation, the easier the gain of new technologies
2.3. Circulation of industry information	Faster circulation of information will enhance the competitive abilities of enterprises
2.4. Quality of enterprises	Good stationed enterprises will contribute proposals to enter the park
2.5. Occasion for enterprises cooperating	Higher cooperating chances will improve the ability of technology R&D of enterprises
3. Investment environment	
3.1. The scale of industries	The scale of industries will affect the scale of industrial value chains
3.2. The territory of science park	More enterprises could enter the park with larger territories
3.3. Incentives for investment	Good incentives will raise the intention of enterprises to enter the park
3.4. Informational infrastructure construction	Good information infrastructure will raise the intention of enterprises to enter the park
3.5. Legislation and government policy	Exact and precise legislation and government policies will raise the intention of enterprises to enter the park
3.6. Operation costs	Low operating costs will raise the intention of enterprises to enter the park
3.7. Regional traffic networks	Better traffic networks will raise the intention of enterprises to enter the park
3.8. Regional development outlook	Better development outlook will raise the intention of enterprises of entering the park
3.9. Living utilities	Better living utilities will raise the intention of enterprises to enter the park
3.10. Regional infrastructure construction	Well infrastructure construction will raise the intention of enterprises to enter the park
4. Market development	
4.1. Benefit of economies of scale	More stationed enterprises can contribute to attain economies of scale and raise the efficiency of manufacture and operation
4.2. Supply networks	Closer networks will tighter the relationship and reduce the operating cost
4.3. Competition status	Fierce competition status will enhance the competitive ability
4.4. Reputation	The performance of stationed enterprises will affect the reputation of the park
4.5. Completion of supply chain	Clarified industry division will enhance the supporting firms and tighten the industrial supply chain
4.6. Bargaining power	Bargaining power will affect the procurement power
4.7. Quality of outsourcing providers	Better qualified outsourcing providers will raise the intention of enterprises to enter the park
4.8. Prospects of industries	Brightening prospects of industries will raise the intention of enterprises to enter the park