**6. Application Report**

**XXXXX Project**

**Application Report**

Please write in accordance with the following outline, ensuring that the contents are detailed, clear, well-structured, and focused. **Please do not delete or change the headings or the text within the brackets.**

**I. Application Justification and Research Content (Up to 8000 words)**

**1. Justification of the project:** Please address impact of the proposed research, survey of global and domestic status; discuss the scientific significance with the trends in relevant research fields and/or the application prospects related to economic and social development of Shenzhen, especially with regard to emerging scientific issues which need to be critically addressed for the eight future industries; and include a list of references.

**2. Research Content, Objectives, and Critical Scientific Problems**: This section should be the main body of the report.

**3. Proposed Research Methods and Feasibility Analysis:** Include research methods, technical approaches, experimental methodology, and critical technologies used.

**4. Characteristics and Innovativeness**

**5. Annualized Work Plan and Expected Outcomes**: Include major academic exchange and international cooperation activities.

**II. Research Foundation and Working Environment**

**1. Research foundation**: Accomplished research results (from previous projects) related to this project.

**2. Working environment**: Include current experimental conditions, any deficiencies, and the proposed solutions for addressing the deficiencies, such use of national laboratories, national key laboratories, and provincial and municipal/prefectural key laboratories, with specific plans and status.

**3. Ongoing research projects related to this project**: Details of ongoing research projects related to this project undertaken by the applicant and project team members, including projects funded by the National Natural Science Foundation of China, Guangdong Natural Science Foundation, and other science and technology programs at the national, provincial, and prefectural levels in Guangdong and Shenzhen. For each project, specify the funding agencies, project categories, contract numbers, project titles, funding amount, duration, relationship to this project, and responsibilities the applicant involved.

**III. Other Information**

1. If, during this year, the PI and project team members are applying for other national, Guangdong, and Shenzhen science and technology plan projects, please list all these projects, including project types, titles, and explanation of differences and relations with the current project.

2. Others.