#### DESCRIPTION OF PRODUCT REQUIREMENTS

Group:

Project:

Date: …………………………………………………………

**I. Short description of product ideas (less than 7 statements)**

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**II. Requirements**

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| High-level Functional Requirements | 1. |
| 2. |
| 3. |
| 4. |
| 5. |
| 6 |
| 7 |
| 8 |
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| --- | --- |
| Quality Attributes Requirements  (example related to issues: Ease  Use, Easy to Like, Easy to Learn, Easy to Understand, Easy to Buy / Yes, ...) | 1. |
| 2. |
| 3. |
| 4. |
| 5. |

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| Operation Requirements  (related to issues: Speed, Accuracy, Performance, Stability, Load Resistance, Scalability, Safety, ...) | 1. |
| 2. |
| 3. |
| 4. |
| 5. |

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| Environment & Operation Requirements  (related to issues: physical impacts on the environment, interact with relevant or existing systems, conditions for product commercialization, ...) | 1. |
| 2. |
| 3. |
| 4. |
| 5. |

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| Requirements for Maintenance & Support | 1. |
| 2. |
| 3. |
| 4. |
| 5. |

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| Security/ Safety Requirements  (related to issues: conditions of use / access to products, personal freedom, inspection, ...) | 1. |
| 2. |
| 3. |
| 4. |
| 5. |

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| Culture Requirements | 1. |
| 2. |
| 3. |
| 4. |
| 5. |

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| Evaluate the complexity of engineering problems |  | 1. Involving wide-ranging or conflicting technical issues |
|  | 2. Having no obvious solution |
|  | 3. Addressing problems not encompassed by current standards and codes |
|  | 4. Involving diverse groups of stakeholders |
|  | 5. Including many component parts or sub-problems |
|  | 6. Involving multiple disciplines |
|  | 7. Having significant consequences in a range of contexts |

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| Standard requirements |  | 1. Code standard. (GNU, Oracle standard for Java, ..,) |
|  | 2. Design standard. (design patterns, object-oriented analysis and design,…). |
|  | 3. IEEE (1058, 1540, 830, 1016, 829, 1012, 1008) |
|  | 4. ISO/IEC/IEEE 12207:2017 (TCVN 10539:2014); ISO/IEC 25051:2006(TCVN 10540:2014); |
|  | 5. Other standards. (related to specific topics) |