****

**Concept Note**

**for**

**Robotics and Automation Startup Challenge 2022**

**Startup Title:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Submitted by:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Read carefully before filling the form.**

1. Please do not alter the layout of the application form. Information must be filled in the spaces provided, under set format.
2. Guidance notes in various fields should not be deleted.
3. Required information should be duly filled in the specified fields.
4. Required heads/fields which are not relevant to the project should be marked **N/A** (Not Applicable) or left blank and should not be deleted.

 **Concept Note for Robotics and Automation Startup Challenge 2022**

**Guidelines**

**Introduction**

The National Centre of Robotics and Automation is a consortium of 11 labs over 13 universities of Pakistan with its centre headquarter at NUST College of E&ME. The centre will serve as a leading technological hub within the domain of Robotics and Automation.

Every year NCRA organizes Robotics and Automation Startup challenge to provide an opportunity to individuals for showcasing their skills in the fields of predefined themes. Award will be granted to the most innovative startups after 2 stage evaluation.

**Submission Procedure**

Duly filled application forms complete in all respects along with required documents should be submitted online at **startupch@ncra.org.pk** by 30th **April 2022.**

**Joint Funding**

The startup proposal may be jointly funded by NCRA and other funding agencies/industry. The efforts to obtain joint funding will be at the discretion of the Startup Lead. However, any such information must be provided to NCRA.

**For further information, please contact:**

Team NCRA,

National Centre of Robotics and Automation,

College of E&ME, NUST, Peshawar Road, Rwp

Email: startupch@ncra.org.pk

Tel.: (+92-51) 54444458

Website: [www.ncra.org.pk](http://www.ncra.org.pk)

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**Concept Note for Robotics and Automation Startup Challenge**

# Section – 1

# 1.1 Startup Identification

|  |
| --- |
| Reference Number:  |
| (for office use only) |
| Title: |
| **<type here>** |
| Startup Lead (Founder):  |
| Name:  |  |
| Designation: |  |
| Startup Name: |  |
| Mobile # : |  | Tel. # : |  |
| Email: |  |
|  |
| **Startup Lead (Co-Founder):** |
| Name:  |  |
| Designation: |  |
| Startup Name: |  |
| Mobile # : |  | Tel. # : |  |
| Email: |  |
| **Contact Person:** (If different from Founders.) |
| Name:  |  |
| Designation: |  |
| Startup Name: |  |
| Mobile # : |  | Tel. # : |  |
| Email: |  |
|  |
| What technology is core to your product? *(Please mark* X *where applicable)*

|  |
| --- |
| 1. [ ] Indigenous Product Development to Provide Automation Solution to any Local Industry
 |
| 1. [ ] Indigenous Product Development for Solving Societal Problem(s) using Robotics & Automation
 |
| Sub Category \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

 |
| What is the target market(s) for the product?

|  |  |
| --- | --- |
| <type here> |  |

**Is your start-up registered with any regulatory authority in Pakistan?**<type here> |
| Other Organizations Involved in the Project: *(Please identify all affiliated organizations collaborating in the project and describe their role/contribution to the project.)* |
| **Industrial Organizations:** |
| *#* | *Organization Name* | *Role / Contribution* |
|  |  |  |
|  |  |  |
| **Academic Organizations:**  |
| *#* | *Organization Name* | *Role / Contribution* |
|  |  |  |
|  |  |  |
| **Funding Organizations:**  |
| *#* | *Organization Name* | *Role / Contribution* |
|  |  |  |
|  |  |  |
| **Other Organizations:**  |
| *#* | *Organization Name* | *Role / Contribution* |
|  |  |  |
|  |  |  |
| Startup Status Status: (Please mark X)[ ] New [ ] Modification to previous Project [ ] Extension of existing project  |
| Startup Duration:  |  months |
| Proposed Budget: | PKR  |
| The Problem:*(Please describe the problem / opportunity / gap / need that you want to address/solve. Maximum 300 words.)* |
| <type here> |
| Our solution will address the following weaknesses of existing solutions.*(Maximum 200 words.)* |
| <type here> |

# Section – 2

# 2.1 Outcomes and Benefits

|  |
| --- |
| Expected Outcomes: *(Provide a list of proposed project outputs including publications, databases etc.)**(Maximum 250 words.)*<type here> |
| Key Benefits and Beneficiaries: *(Please identify clearly the benefits and potential customers/beneficiaries of the project.)**(Maximum 250 words.)*<type here> |
|  |

# 2.2 Objectives

|  |
| --- |
| *(Please describe the measurable objectives of the project and define the expected results. Use results-oriented wording with verbs such as ‘to develop..’, ‘to implement..’, ‘to research..’, ‘to determine..‘, ‘to identify..’* ***The objectives should not be statements and should actually specify in simple words what the project team intends to achieve (something concrete and measurable/ deliverable). Fill only those objectives that are applicable to the proposed project****.)* |
| **Research Objectives:** *(if any)** <type here>

**Academic Objectives:** *(if any)** <type here>

**Commercial Objectives:** *(if any)** <type here>

**Other Objectives:** *(if any)** <type here>
 |

# 2.4 Research Approach

|  |
| --- |
| Key Milestones and Deliverables: *(Please list and describe the principal milestones and associated deliverables of the project.* ***Quarterly deliverables are preferred****.)* |
|  |
| *No.* | *Elapsed time from start (in months) of the project* | *Milestone* | *Deliverables* |
|  | 3 months |  |  |
|  | 6 months |  |  |
|  | 9 months |  |  |
|  | 12 months |  |  |
|  |  |  |  |
| (Please add more rows if required.) |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Signatures of Founder:

|  |  |
| --- | --- |
| Name: |  |
|  |  |
| Date: |  |  | Signature& stamp: |

  |

**CV of Founders**