



For NCCS use only

Proposal Identification Number

National Centre of CYBER SECURITY

Research fund for

Prototype/Product Development grant proposal

COVER SHEET FOR PROPOSAL

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A1. TITLE OF PROPOSED PROJECT  A2. CLASSIFICATION/NAME OF PRODUCT/PROCESS/SERVICE TO BE CREATED  A3. RELEVANCE OF THE PROJECT WITH THE DOMAIN OF CYBER SECURITY (Up to 100 words)  A4. List of Contents:   |  |  |  | | --- | --- | --- | | S.N | Item Details | Page No | | | | | | | | | |
| B. STATE FIELD OF RESEARCH AND SPECIALIZATION (For example; PREVIOUS EXPERIENCE WITH INDUSTRIAL RESEARCH)  Major/Specialization \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Relevant Industry \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | | | | | | |
| C1. PROJECT DIGEST. Describe the proposed PROJECT using about 100 words in easy business language.  C2. Patent/IP Search:   1. What is the status of your idea vis-à-vis similar patents? 2. Have you already filed a patent application? 3. If a patent already exists on your idea/concept, then what is your strategy and rationale in commercializing the proposed research? 4. Proof of funding i.e. award letter if prototype is developed or basic R&D is completed (National HEC, PSF, Ignite and or International, etc.). Please specify;   ­­­­­­­­­­ | | | | | | | | |
| D. PRINCIPAL INVESTIGATOR (from University / Institution) | | | | | | | | |
| D1. PRINCIPAL INVESTIGATOR NAME (full with no initials) | | | | | D2. HIGHEST DEGREE | | | D3. POSITION |
| D4. DEPARTMENT/SECTION | D5. UNIVERSITY/INSTITUTION | | | | D6. CNIC#  Please attach a  Paste or place JPEG passport size photograph  crossed copy | | | |
| D7. Telephone:(area code, number and extension)  Mobile: Fax: (area code, number) :  Email:  Postal Address: | | | | | | |  | |
| E: INDUSTRIAL PARTNER (from Collaborating Industry) | | | | | | | | |
| E1. Industrial Partner NAME (full with no initials) | | E2. HIGHEST DEGREE | | | | E3. POSITION | | |
| E4. SECTION / UNIT | | E5. FACTORY / INDUSTRY | | | | E6. OFFICIAL MAILING ADDRESS | | |
| E7.Partner Industry Certification/Registration(optional): | | | | | | | | |
| NTN/STN: | | | | | | | | |
| E8. Telephone:( area code, number and extension) Fax: (Area code, number)  Mobile: Email: | | | | | | | | |
| F1. PROPOSED DURATION OF PROJECT:(*inmonths*)  1 | | | | F2. PROPOSED STARTING DATE | | | | |
| F3. TOTAL FUNDS REQUESTED  RS. | | F3.HEC COMPONENT (UPTO 15Million)  A. 1st YEAR installment RS.\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(Million)  B. 2nd YEAR installment  RS. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Million) | | | | F4- INUDSTRY COMPONENT  A. 1st YEAR installment RS.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(Million)  B. 2nd YEAR installment  RS. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Million) | | |
| SIGNATURE OF PRINCIPAL INVESTIGATOR  Date | | | SIGNATURE OF PARTNER INDUSTRY  Date | | | | | |

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| ENDORSEMENT OF THE HEAD OF INSTITUTION (Vice-chancellor/Rector of University, Director of Degree-awarding Institutions)  Signature & Date  Name Title:  Address:  Phone  FAX  E-mail | ENDORSEMENT OF THE HEAD OF INDUSTRIAL ORGANIZATION  (Must be stamped)  Signature & Date  Name Title:  Address:  Phone  FAX  E-mail |

# Project Details

# 1. PROJECT EXECUTIVE SUMMARY

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| Describe the proposed prototype and any research required using about 250 words. Attach sketch/diagrams/photo, if needed, to illustrate your concept. |

# 2. PROPOSED GOALSS/OBJECTIVES (please identify quantifiable goals)

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| Please clearly identify the output in the form of a **product or process, need or relationship to industry** and also identify other end-users of your output/product.  GOALS/OBJECTIVES (please quantify your objectives in case of Applied research)  1.  2.  3.  4.  5.  6.  7. |

# 3. INTRODUCTION (not to exceed one page)

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| The introduction should consist of three paragraphs; the first paragraph should indicate the scientific and/or commercial basis on which the project is based. The second paragraph should introduce the precise nature of the project, and the final paragraph should indicate the proposed objectives in the light of the first two paragraphs and explain clearly what the reader will see in the main body of the proposal.  ***(PLEASE ATTACH ONE SHEET ONLY)*** |

4A. BACKGROUND AND METHODOLOGY OF THE PROPOSED RESEARCH (Not to exceed two pages)

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| A comprehensive and up to-date justification for the proposed program for technology development, industrial growth, and contribution to national economy.  ***(PLEASE ATTACH TWO SHEETS ONLY)*** |

4B. RESEARCH PLAN: SCHEDULE/PHASING (Preferably with a time/GANT-chart not to exceed one page)

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| ***(PLEASE ATTACH ONE SHEET ONLY)*** |

# 4C. REFERENCES (cited in 3, 4A & 4B; not to exceed two pages)

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# 5. IMPACT

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| Impact of proposed prototype on aspects such as transfers of research results into the economy in order to implement innovation, effects on import substitution and/or export enhancement, and on technology-oriented human-resource development. Please also identify other end-users of the research results. E.g.   1. Utilization of local raw materials 2. Creation of Employment 3. Utilizing current skill or creating new skills 4. Impact on local manufacturing or service cluster; explain how these will be helpful to move the particular sector up the value chain. 5. Solution to current local problems. 6. Reverse Engineering (adaptive research) from creation of wealth. 7. Export potential and global market possibilities with impact on local job creation. You may gather trade statistics from http://www.trademap.org/ |

**6. Sustainable Development Goals (SDG’s)** (How and which of the SDG’s will be addressed in this study? Justify how the proposed research will contribute to achieve SDG’s of Pakistan. For details on SDG’s /s please visit :)

# [http://undocs.org/a/68/970](http://undocs.org/A/68/970)

# [http://www.un.org/sustainabledevelopment/sustainable-development-goals](http://www.un.org/sustainabledevelopment/sustainable-development-goals/)

# http://www.slideshare.net/derekschwabe/the-17-proposed-sustainable-development-goals

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# 7. PROJECT PARTNERS (information on Industry)

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| Please give a brief introduction of the collaborating industry, especially information on turnover, import/export profile, stock exchange listing etc. Please indicate the portion of the proposed research program to be carried out at the Partners organization. Also state that how and where the Partner’s budgetary contribution will be utilized. |

# 8. PROJECT Business Plan/Work plan (Attach the Business Plan for your proposed project)

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| Please provide an overview of your Business plan to include activities taking place.  Please also provide financial analysis, market value and how the proposed product/process will do business? |

# 9. PROJECT OUTPUT

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| Please give a brief account of expected output |

# 10. FACILITIES AND FUNDING

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| 10A. Facilities: equipment available for the research project IN THE HOST UNIVERSITY/INSTITUTION & THE COLLABORATING OGRANIZATION |
| 10B. Scientific Personnel (at the PI institution)   1. Available 2. Required\*   \*Involvement of research students is encouraged. |
| 10C. Other funding available for the proposed studies (if any) |

# 11A. PRINCIPAL INVESTIGATOR

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| A brief resume of research accomplished in the last 05 years. Please specify title of the research proposal(s), duration, funding source(s) and award amount(s). Detailed CV can be placed as annex at the end. |
| 1. Please attach C.V.   2. Number of Publications during the last five years & page National: \_\_\_\_\_\_\_\_\_ Please see pages\_\_\_\_\_\_\_\_\_\_\_ of CV  numbers on the C.V. where these publications are listed International: \_\_\_\_\_\_\_ Please see pages : \_\_\_\_\_\_\_\_\_\_ of CV  3. Number of research projects completed & page number Basic: \_\_\_\_\_\_\_\_\_ Please see pages \_\_\_\_\_\_\_\_\_\_\_ of CV  where this information appears Applied: \_\_\_\_\_\_\_ Please see pages\_\_\_\_\_\_\_\_\_\_\_ of CV |

**11B. Industrial Partner (Profile of Partner industry, Accreditation and Certification, Website, Focal Person Contacts.** Email, mobile and landline**)**

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| A brief Profile highlighting achievements / experience especially concerned with the present proposal. Detailed CV of focal person can be placed as annex at the end. |

**11C. CO-PRINCIPAL INVESTIGATOR**

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| A brief resume highlighting achievements/ experience especially concerned with the present proposal. Detailed CV can be placed as annex at the end. |

# 12A. ESTIMATED BUDGET FOR THE PROPOSED RESEARCH PERIOD (Rs. in million, please avoid simple calculations)

NCCS will fund up to Rs. 15 Million and there is no limit for Industry but proposals with industrial financial assistance will be preferred.

Please submit M.S. Excel sheet separately.

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| DESCRIPTION | YEAR 1 | | YEAR 2 | | Total Amount | |
| NCCS | Industry | NCCS | Industry | NCCS | Industry |
| A. Salaries and Honorarium |  |  |  |  |  |  |
| PI: according to percentage of time allocated for project@ |  |  |  |  |  |  |
| Academic Co-PI: according to percentage of time allocated for project@ |  |  |  |  |  |  |
| Patent filing |  |  |  |  |  |  |
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**Prototype Development Cost**

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| B. Permanent Equipment (Please attach invoice/quotation and expected delivery date for items costing over Rs 0.1 Million) | | | | | | |
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| C. **Expendable Supplies** | | | | | | |
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# 12A. ESTIMATED BUDGET FOR THE PROPOSED RESEARCH PERIOD (Rs. In million)-continued

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| DESCRIPTION | YEAR 1 | | YEAR 2 | | Total Amount | | |
| NCCS | Industry | NCCS | Industry | NCCS | | Industry |
| D. Others  D1. Literature ; documentation, information, online literature search, contingencies, postage, etc. | | | | | | | |
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| D2. Local Travel (Destination and Purpose) | | | | | | |
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| D3. Miscellaneous | | | | | | |
| Audit Fee (Max. Rs 10,000) |  |  |  |  |  |  |
| Accountant Fee (Max Rs. 10,000) |  |  |  |  |  |  |
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| Subtotal (D1 + D2 + D3): |  |  |  |  |  |  |
| E. Indirect cost (University overheads)  A. If ORIC notified by HEC: 15% of Total direct costs to the university to provide office support, utilities, etc.)  B. If ORIC is not notified by HEC: 2% of total direct cost to the university to provide office support, utilities, etc.) |  | Nil |  | Nil |  | Nil |
| **Grand Total (NCCS 1st year A + B + C + D + E) visa versa:**  Please make sure calculations will be correct. |  |  |  |  |  |  |
| **Total Budget** | NCCS:  1st +2nd year | | Industry:  1st +2nd year | | Total:  NCCS + Industry Components | |

# 13. JUSTIFICATION (Please justify your request in a background of the existing facilities available at the host Institute.)

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| A. **Salaries &Allowances** (All positions, other than PI and industrial partner, must be fully justified. Please give qualifications/requirements of each of the new full-time positions requested for in the Proposal.)  B. **Permanent Equipment** (Please identify major items (over Rs. 25,000). Major pieces of equipment costing over Rs. 0.1 million must be fully justified. Minor items (under Rs. 25,000) may be lumped into one.)  C. **Expendable supplies**  D. **Other Costs** (Travel must be justified.) |
| 14. (A) Enlist Three **Academic Evaluators/Experts** from Higher Education Institutions/R&D organizations/Universities (Name, Mobile number, postal and email address information)  1.  2.  3.  (B) Enlist Two **Industrial Evaluators/Experts** from Industry/Government and Private R&D organizations (Name, Mobile number, postal and email address information)  1.  2. |

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Signature Principal Applicant Date:

1. **Checklist:**

Make sure the following must accompany the application otherwise proposal will not be shortlisted.

1. Application must be routed through University ORIC or Directorate of Research Y/N
2. CNIC copy of Principle Investigator Y/N
3. Passport size photograph Y/N
4. Industrial Support letter from partner industry(if any) Y/N
5. Partner Industry NTN/STN provided Y/N
6. Mobile/cell phone number and personnel & official email Y/N
7. Industrial Partner certification (Registration, ISO or any other etc.) Y/N
8. Authentication from Head of the department/institution & submission through ORIC Y/N
9. Authentication from Head of the industry not necessary on the form (a separate letter

on industrial letter pad will serve the purpose properly addressed to head of university/institution) Y/N

1. CV of PI Y/N
2. CV of Co PI Y/N
3. CV of Industrial Partner Y/N
4. Quotations of the equipment & Supplies (if cost is more than PKRs.0.1 million) Y/N
5. Project Key Performance indicators against which performance will be evaluated Y/N
6. Budget should also be submitted on prescribed M.S excel sheet sent with soft copy Y/N
7. All documents (Sr. 2-14) must be in one application file (M.S word & PDF) Y/N
8. Application package must have M.S world file, PDF, Budget & Information sheet (excel) Y/N
9. 2 hard copies with proper Tape binding (no spiral binding will be accepted) Y/N
10. Soft copy must be emailed to [qanaita.mehmood@nccs.pk](mailto:qanaita.mehmood@nccs.pk), [director@nccs.pk](mailto:director@nccs.pk) Y/N
11. Subject your e-mail submissions as (RF-PI Name-University name Abbreviation)

i.e. (RF-Qanaita Mehmood-NUST) Y/N

1. Both hard and soft copy must reach well before the deadline (30th April, 2020). Y/N
2. **CNIC & Photograph of PI**
3. **Industry Support Letter**
4. **Key Performance Indicators**
5. **CV of PI (Brief) with web link to detailed**
6. **CV of CO-PI (Brief) with web link to detailed**