Research Strategy 2019 -2023

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| Research and  Innovation: | Strengthen research  capacity, quality and  outputs |  Appoint a Research and PG Administrator   Increase research seminars and courses   Improve support systems for emerging researchers   Student-supervisor co-publication   Increase availability and accessibility of research equipment   Recruit and retain research active staff   Increase fulltime postgraduate students and postdocs   Create a conducive research environment: students, time, equipment, money   Establish two Research Chairs | Numbers of:   seminars, workshops, publications, research facilities, research active staff | Staff members  availability  beside teaching load | Departmental  & Faculty  Research Coordinator under Ass. Dean R&I | 2019-  2023 |
|  Quality: Coordinate departmental research quality and output:   Discourage dubious publishers   Target rated venues (journal & Peer-review conferences) | Research committee  meetings (as the need  arises) at least once a | The research  committee  meeting takes | Departmental  & Faculty  Research | 2019-  2023 |

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|  |  |  Establish research committee in each Department | month/twice a semester  Usage of bibliometrics to measure  quality/quantity of  research output | place (issues  related to research be discussed) | Coordinators  under Ass. Dean R&I |  |
| Diversify research output |  Disseminate research results through newspaper articles, policy recommendations, public lectures, etc.   Increase product development, deployment and startup support | Number of newspaper  articles, public lectures, etc.  Number of products and  startups | Research are  relevant to national needs | ALL | 2019-  2023 |
| Enhance collaboration  with the Centres and  Institutes |  Establish CEIT with Digital Forensics Lab, HPC, E-Gov foci   Strengthen HPC facilities through CEIT & Data Science programme   Position Tech Hub as RDI lab under CEIT   Foster closer collaboration between CED and CEIT for the delivery of industry/vendor certification programmes   Introduce joint appointments of faculty and interdisciplinary research areas for IDL and FCI | Number of programmes  and training conducted under CEIT  Number of joint projects with other Centres and Institutes | There is a  demand for training courses  There are joint interest in programmes | Dean / CEIT  Centre Head / Ads / HODs | 2019-  2023 |
| 1. Integrate research,  design and  development early  into the curriculum |  Integrate research projects and expected output into undergraduate courses   Integrate design courses into foundational core courses   Appoint undergraduate Research Assistants | Number of courses with  research and design  components  Number of undergraduate Research Assistants | Enough  Research  projects exists  Willing staff | ADs /  Departmental  & Faculty  Research  Coordinator  & HoD | 2019-  2023 |
| Encourage industry RDI  collaborations |  Diversify collaborations with Project Services Unit, industry and other departments for research funding, grant and networking.   Secure and sustain research funding (ext + inter)   Grant proposal writing meeting, workshops and symposiums   Increase international partnerships for research   Build and sustain industry partnerships for research | Number of established and effective collaborations | Collaboration needs are in line with Faculty  Research Focus | Departmental  & Faculty  Research  Coordinator  & HoD | 2019-  2023 |