Research Strategy 2019 -2023

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| Research andInnovation: | Strengthen researchcapacity, quality andoutputs |  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 membersavailabilitybeside teaching load | Departmental& FacultyResearch 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 committeemeetings (as the needarises) at least once a | The researchcommitteemeeting takes | Departmental& FacultyResearch | 2019-2023 |

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|  |  |  Establish research committee in each Department | month/twice a semesterUsage of bibliometrics to measurequality/quantity ofresearch output | place (issuesrelated to research be discussed) | Coordinatorsunder 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 newspaperarticles, public lectures, etc.Number of products andstartups | Research arerelevant to national needs | ALL | 2019-2023 |
| Enhance collaborationwith the Centres andInstitutes |  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 programmesand training conducted under CEITNumber of joint projects with other Centres and Institutes | There is ademand for training coursesThere are joint interest in programmes | Dean / CEITCentre Head / Ads / HODs | 2019-2023 |
| 1. Integrate research,design anddevelopment earlyinto 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 withresearch and designcomponentsNumber of undergraduate Research Assistants | EnoughResearchprojects existsWilling staff | ADs /Departmental& FacultyResearchCoordinator& HoD | 2019-2023 |
| Encourage industry RDIcollaborations |  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 FacultyResearch Focus | Departmental& FacultyResearchCoordinator& HoD | 2019-2023 |