The Purpose for Research Cell in the School of Applied Sciences

Aim:
The Research Cell aims to foster a collaborative environment where students and faculty members can engage in research on new technologies in the field of Data Science and Business Analytics. Research Cell aims to help students think outside the box and implement skills as a team. It ensures each member's unique idea on the changing software and approaches to AI should be worked on.

Purpose:

Selection Process:
- Interested students will be invited to join the Research Cell based on their demonstrated interest and relevant skills. A Google form will be put out in the School of Applied Sciences so students can complete their details.
- Selection criteria may include a statement of purpose outlining the applicant's interest in research and potential contributions to the Research Cell.

Research Activities:
- Once the Research Cell is formed, members will collaborate to identify research topics and projects related to new technologies in data science and business analytics.
- Regular meetings will be held to discuss research progress, share insights, and brainstorm ideas for potential research avenues.

Conducting Research:
- Research projects will be conducted in teams, comprising both students and faculty members, to leverage diverse perspectives and expertise.
- Each project will have a designated faculty member responsible for coordinating activities, setting deadlines, and ensuring progress.
- Members will be encouraged to explore interdisciplinary approaches and innovative methodologies in their research.

Collaboration with Industry:

- Our major focus will be towards collaborating with companies who don't have a Data Handling team where we can provide them with data-science-related solutions.
- This would have the School Of Applied Sciences make formal relations with the industry as well as help our students in finding internships.

Paper Submission:
- Upon completion of research projects, members will be encouraged to prepare research papers for publication in reputable journals and conference proceedings.
- Guidelines and templates for paper submission will be provided to ensure compliance with formatting requirements and academic standards.
- The Research Cell will facilitate the peer-review process by providing feedback and guidance to members during the preparation of their papers.

Conclusion:
The establishment of the Research Cell will provide a structured framework to the students and will encourage them to engage in research activities and contribute to the advancement of knowledge in the field of Data Science and Business Analytics. By fostering collaboration, providing resources, and promoting scholarly dissemination, the Research Cell aims to empower its members to undertake meaningful research projects, develop essential skills, and make significant contributions to the academic community.

Goal for 2024-2025:

Publish Research Papers:

- **Objective**: To write and publish research papers every quarter.
- **Action Plan**:
    - Identify key research areas and assign topics to team members.
    - Set internal deadlines to ensure timely completion and review.
    - Collaborate with academic and industry experts for co-authorship.
    - Submit papers to reputed journals and conferences.

Collaborate with Companies for Data Solutions:

- **Objective**: To establish partnerships with companies to provide them with data-driven solutions.
- **Action Plan**:
    - Identify potential companies that can benefit from data science solutions.
    - Develop proposals and present them to target companies.
    - Work on pilot projects to showcase capabilities.
    - Create a feedback loop to continuously improve solutions based on company needs.

Organize Data Science Workshops:

- **Objective**: To organize workshops on Data Science.
- **Action Plan**:
    - Identify topics of interest and relevance for workshops.
    - Invite industry experts and experienced data scientists as speakers.
    - Plan and execute interactive, hands-on sessions.
    - Collect feedback from participants to improve future workshops.

Regards,

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