Title of the Practice: Student Research House: Nurturing Research and Innovation for Publication and Patents

The Context That Required the Initiation of the Practice:

With the increasing emphasis on academic research, innovation, and intellectual property rights, it became crucial for the institution to create a structured platform to foster research culture among students. Many students had innovative ideas but lacked the guidance, resources, and expertise required to develop their ideas into publishable research papers or patentable innovations.

Additionally, the institution recognized that producing high-quality research outputs and patents could enhance students' academic and professional profiles while significantly contributing to the institution's reputation. Thus, the Student Research House was established to systematically support students in their journey of academic research and innovation.

Objectives of the Practice:

1. To create a platform that facilitates student-driven research and innovation.
2. To mentor students in writing high-quality research papers suitable for publication in reputed journals.
3. To provide resources and guidance for patent filing and intellectual property rights.
4. To enhance students' analytical, critical thinking, and problem-solving skills through research activities.
5. To contribute to the institution's research output and foster a culture of academic excellence.
6. To align student research initiatives with societal needs and global challenges.

The Practice:

1. **Establishment of the Research House:**
   - A dedicated space and team were created within the campus to serve as the Student Research House.
2. **Mentorship and Guidance:**
   - Faculty members, industry experts, and research scholars mentor students on research methodologies, data analysis, and academic writing.
   - Regular workshops, seminars, and boot camps on research paper writing, patent filing, and IPR processes are conducted.
3. **Resources and Tools:**
   - Access to research databases, plagiarism-check tools, and software like SPSS, Python, and MATLAB for data analysis.
   - Students are guided on journal selection, submission procedures, and addressing reviewer comments.
4. **Focus on Patents:**
   - The Research House supports students in identifying innovative ideas and converting them into patentable solutions.

- o Assistance is provided in drafting patent applications and navigating the filing process.
5. **Student Engagement:**
   - o Interdisciplinary research groups are formed to encourage collaborative learning and diverse perspectives.
   - o Students are encouraged to participate in research competitions, conferences, and hackathons.
6. **Alignment with Themes:**
   - o Research topics are aligned with institutional themes such as sustainability, technology, and societal impact, ensuring relevance and originality.
7. **Incentives:**
   - o Students with published papers or filed patents are recognized with awards, financial incentives, and opportunities for further research.

Obstacles Faced and Strategies Adopted to Overcome Them:

1. **Challenge:** Limited Research Skills Among Students
   - o **Strategy:** Conducted basic research methodology workshops and one-on-one mentoring to bridge knowledge gaps.
2. **Challenge:** Hesitation to Publish or Patent
   - o **Strategy:** Organized motivational sessions by alumni and researchers who successfully published papers or filed patents.
3. **Challenge:** Resource Limitations for Patent Filing
   - o **Strategy:** Collaborated with legal firms and industry partners to reduce costs and streamline the patent filing process.
4. **Challenge:** Managing Plagiarism Concerns
   - o **Strategy:** Trained students on academic integrity and provided access to plagiarism-check tools like Turnitin.
5. **Challenge:** Lack of Awareness About Research Opportunities
   - o **Strategy:** Regularly disseminated information through newsletters, classroom announcements, and the LMS platform.

Impact of the Practice:

1. **Increased Research Output:**
   - o A significant rise in the number of research papers published by students in national and international journals.
2. **Patent Filings:**
   - o Several students successfully filed patents, showcasing their innovative ideas and enhancing the institution's reputation.
3. **Skill Development:**
   - o Students developed critical skills such as problem-solving, analytical thinking, and technical writing.
4. **Enhanced Career Prospects:**
   - o Students with research publications and patents gained a competitive edge in placements and higher education opportunities.

5. **Contribution to Society:**
   - o Research outputs aligned with societal challenges, contributing to areas like sustainability, healthcare, and technology.
6. **Recognition of the Institution:**
   - o The practice strengthened the institution's research profile and visibility in academic and industry forums.

Resources Required:

1. **Dedicated Space:**
   - o A fully equipped Research House with computer labs, research tools, and meeting rooms.
2. **Faculty and Mentors:**
   - o A team of faculty members with research expertise and access to external mentors and industry professionals.
3. **Technology and Software:**
   - o Access to research databases, plagiarism-check tools, and analytical software like SPSS, R, Python, and MATLAB.
4. **Financial Resources:**
   - o Budget allocation for workshops, conferences, journal submission fees, and patent filing costs.
5. **Collaborations:**
   - o Partnerships with research institutions, patent offices, and legal firms to support patent filing and research dissemination.
6. **Library Resources:**
   - o Access to journals, e-books, and reference materials to support literature reviews and theoretical frameworks.

The Student Research House has transformed the academic landscape of the institution by embedding a robust research culture. It equips students with the knowledge, skills, and opportunities needed to excel in academia and industry while contributing to societal progress.

Student Publications

Ms. Rakhi Kumari   **Ms. Baishnovi Routray**

"BEHAVIOURAL BIASES IN INVESTMENT DECISION MAKING PROCESS"

Rakhi Kumari, Dr. Kiran Kumar M.

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ABSTRACT:

This research investigates the relationship between behavioural finance and regional differences in India through a survey-based approach. It aims to contribute to the existing literature by exploring how psychological factors impact financial decision-making across diverse regions. Using a cross-sectional survey design, data on demographics, financial literacy, risk perception, and behavioural biases are collected from individuals across different regions. The analysis, employing descriptive and inferential statistics, aims to determine the predictive power of these variables on financial behaviour in various Indian regions. The findings are expected to inform policymakers, financial institutions, and investors in developing tailored strategies to address behavioural biases and improve financial outcomes. Additionally, this study may inspire future research exploring similar relationships in different countries or contexts.

KEYWORDS - Behaviour, Investors, Bias, Psychological Factors, Investments, Region, Urban, Rural

1. Introduction

This research aims to explore the correlation between behavioural finance and different regions in India, recognizing the country's diverse cultural and societal landscape. By investigating how behavioural finance principles apply in varying regional contexts, it seeks to shed light on the influence of cultural and societal factors on financial decision-making.

This study challenges the traditional economic theory by examining how emotions, biases, and heuristics impact investors' choices, and it underscores the significance of understanding these factors in designing effective financial products and services tailored to regional needs.

Virtual Exhaustion: Assessing the Effects on Employee Digital Wellness.

Baishnovi Routray [a], Dr. Urmila Itam [b]

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ABSTRACT

This study looks at the idea of virtual fatigue and its significant effects on workers' digital well-being. The problem of virtual fatigue and its impact on IT professionals' digital well-being are examined in this descriptive study. A total of 120 IT professionals received quality and screen time in response to three sets of questions about sleep, work demands, and digital well-being. The study uses a variety of statistical analysis techniques to examine the relationships between these parameters. Descriptive statistics are used to display the variability and central tendency of each set of variables. Correlation research looks at the connections between sleep quality, work responsibilities, and digital well-being. ANOVA also looks at averages among several demographic groups. The study's conclusions deepen our knowledge of the intricate relationships between virtual exhaustion factors and worker satisfaction in the IT sector and offer practical guidance to companies trying to foster more contented virtual workplaces.

Keywords: digital ecosystem, digital landscape, digital well-being, and digital exhaustion.

1. INTRODUCTION:

Organizations are depending more and more on digital technologies in today's digital business environment to increase productivity and competitiveness. But there are drawbacks to this change as well, including concerns for the welfare of the workforce. Constant connectivity and digital device exposure have resulted in issues like information overload, digital fatigue, and a blurring of work-life boundaries. Prioritizing employee well-being is crucial for

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Mr. Sakthi Charan M D & Ananth Bhat   **Mr. Mohith Gowda, Riyaz Ahmed and team**

Exploring Investment Opportunities: Comparing Risks and Returns in Selected Sectors

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Abstract

In this comprehensive report spanning the years 2013 to 2023, we embark on a meticulous exploration of the Information Technology (IT), Banking, and Fast-Moving Consumer Goods (FMCG) sectors. Through an exhaustive analysis of historical data encompassing beta values, systematic, and unsystematic risks, this study illuminates the complex interplay of risk and return. Investors are afforded a panoramic view of these sectors, enabling nuanced and well-informed decision-making rooted in robust data analysis and thorough evaluation.

AN EMPIRICAL STUDY ON AWARENESS AND PERCEPTION OF CAMPUS ID (CID) USING RFID TECHNOLOGY

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ABSTRACT

A Campus Smart ID, also known as a Campus ID Card (CID), is a multifunctional identification card that can issued by educational institutions to their students, faculty, and staff. It serves as a primary means of identification on campus and provides access to a range of services and facilities offered by the institution. A detailed study was done in order to identify alternatives available in the Indian market. To know about the awareness and perception of students towards Campus ID (CID) and its usage in the University as an alternative to the existing ones, a survey was done. This survey was in the form of a structured Google form questionnaire which comprised of a set of questions. Also, a market analysis was done to understand better and all possible uses of RFID technology. The findings of the study show that around 60 percent of the people have never used RFID cards. People are willing to switch to RFID for its easy usage and benefits. Even though people are concerned about privacy & security, they are willing to take the risk and switch to RFID.

Keywords: RFID, Identification, Usage, Benefits, Privacy, Security.

Student Patent

Shashank Tripathi, Sheetal Shridhar and team

(54) Title of the invention : SMART PARKING MANAGEMENT SYSTEM

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