

TEXAS INTERNATIONAL COLLEGE

Affiliated to Tribhuvan University
and Managed by Texas International
Education Network
Mitrapark, Kathmandu-07

NATIONAL CONFERENCE

ON

“INTEGRATING IT FOR MANAGEMENT INNOVATION
AND
ORGANIZATIONAL SUSTAINABILITY”

20-21 December, 2024



CONFERENCE PROCEEDING

Organized By:

Research, Learning and
Development (RLD) Department



Supported By:



विश्वविद्यालय अनुदान आयोग
University Grants Commission



त्रिभुवन विश्वविद्यालय
Tribhuvan University (TU)

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Mitrapark, Kathmandu-07
[Established: 2010]

NATIONAL CONFERENCE

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20-21 December, 2024

Conference Venue:
Texas International College, Seminar Hall
Chabahil, Kathmandu -07 Nepal

Patron

Prof. Keshav Kumar Shrestha, PhD

Main Organizing Committee

Prof. Sateesh Kumar Ojha, PhD	Chair
Prof. Govinda Prasad Acharya, PhD	Member
Mr. Yubraj Basnet	Member
Dr. Suman Thapaliya	Member
Mr. Yubraj Sapkota	Member
Mr. Kumar Poudyal	Member
Ms. Sarala Karki	Member Secretary

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Mr. Bheshraj Pokhrel	Member
Mr. Shyam Sundar Shrestha	Member
Mr. Jitendra Kumar Bakhu	Member
Mr. Narayan Pokhrel	Member

Message from the Desk of Conference Chair

Prof. Sateesh Kumar Ojha, PhD

It is a matter of immense pleasure for me to welcome you all to the first national conference organized by the Research Learning and Development (RLD) Department of Texas International College (TIC), Kathmandu, Nepal on the theme “Integrating IT for Management Innovation and Organizational Sustainability”. The conference will resume at Texas International College conference hall on 20 in 21 December 2024. The overwhelming popularity in the wide use of IT and at one and the emerging challenges of organizational sustainability on the other hand has drawn the concern of research department to convene this national conference of TIC, the goal of this conference taking place for two days (20-21 December) will be to investigate the possible of ways of integrating IT by virtue of which organizational sustainability can be insured in the ever mounting competitive worldly environment.

With the same of pride in privilege the conference organizing committee would like to share that around 52 research papers have been registered. Out of the total collected paper, the committee shows only 31 papers of researchers and scholars that are directly linked to the theme and sub theme of the conference. I take this opportunity to thank all the members of the conference committee in their tireless jobs of opting the truly resource based papers to serve the very purpose of national conference.

The conference will proceed with the keywords by the two prominent speakers Prof. Dr. Dev Raj Adhikari, Chairperson of University Grants Commission and Mr. Ganesh Shah Former Minister of Environment, Science and Technology of Nepal Government. Both the speakers in the inaugural session will be emphasizing on the need of integrating information technology and further elaborating the responsiveness of organizational practices of organizational sustainability in the backdrop of uncertain and fierce competitive world.

The conference has been scheduled for altogether for technical sessions covering aspects of pre-envisaged theme and subthemes. The conference committee is highly confident that the scholarly and research driven papers schedule for presentation will bring forth innovative ideas on the subject and open up new insights in dimensions. In addition the reflection of the conference will be to finding out or embracing the integration of information technology and its responsive utilization for organizational success and sustainability.

The committee will be highly obliged and will express sincere gratitude for the splendid contributions extended by our distinguished key note speakers and the paper presenters. Likewise, we will express our sincere gratitude and thanks to dignified persons who will be the special guest, guests and session chairs of technical sessions of the conference.

Lastly, Chair of TIEN Principal of TIC, CoAS, Director RLD Department and faculties and staffs involved in conference all deserve thanks for accomplishing their respective roles for making the conference, a success.

Highlights of the Conference



NATIONAL CONFERENCE

“INTEGRATING IT FOR MANAGEMENT INNOVATION
AND ORGANIZATIONAL SUSTAINABILITY”

Key Highlights of the Conference:

- 40+ research papers
- 15+ industry participants
- Participation from different universities and affiliate colleges of Nepal
- Research papers in collaboration with industries
- Research conducted in Nepal by international scholars
- 7 parallel sessions

Venue: Texas International College
Chabahil, Kathmandu -07 Nepal



Co-organizers:



20 & 21 DECEMBER 2024
DECEMBER AT 9 AM TO 4 PM

Highlights of the Conference

NATIONAL CONFERENCE

**"INTEGRATING IT FOR MANAGEMENT INNOVATION
AND ORGANIZATIONAL SUSTAINABILITY"**

20 & 21 December, 2024

 <p>Prof. Dr. Dev Raj Adhikari University Grants Commission, Nepal Chairperson</p>		 <p>Er. Ganesh Shah Former Minister for Environment, Science and Technology</p>		 <p>Prof. Shanker Bhandari University Grants Commission, Nepal Member Secretary</p>	
 <p>Prof. Dr. Subarna Shakya Director, IT Innovation Center IOE, Pulchowk</p>		 <p>Prof. Dr. Sudhan Jha Kathmandu University SM-RIE, Lead Researcher (IoT, R&D Lab)</p>		 <p>Mr. Rajan Bhandari Former Executive Director Nepal Rastra Bank</p>	
 <p>Assoc. Prof. Dr. Arun Timalsina Chief IQAC, Pulchowk Campus</p>		 <p>Dr. Tulasi Thapaliya Joint Secretary, Ministry of Education, Science and Technology</p>			
 <p>Prof. Dr. Gajendra Sharma Department of Computer Science and Engineering, Kathmandu University</p>		 <p>Dr. Pawan Sharma Executive Chairman - Envision Nepal IT Director - Kamana Bikash Bank</p>		 <p>Mr. Prahlad Giri Deputy Director, Nepal Rastra Bank</p>	
 <p>Dr. Shaligram Parajuli IT Advisor of MoCIT, Deputy Director, NTA</p>		 <p>Dr. Rajib Subba rpicert Advisor and ICT Expert</p>			
 <p>Ms. Roja Kiran Basukala Deputy Director of Nepal Telecommunications Authority</p>		 <p>Mr. Chiranjibi Adhikari General Secretary, CAN</p>		 <p>Mr. Narayan Timilsina Under Secretary, Ministry of Communication & IT</p>	
 <p>Mr. Baburam Aryal Cyber Law Expert/ CEO of Delta Law and Technology</p>		 <p>Mr. Ganesh Ghimire Managing Director Gap Management Service</p>			

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NATIONAL CONFERENCE
"INTEGRATING IT FOR MANAGEMENT INNOVATION
AND ORGANIZATIONAL SUSTAINABILITY"

20 & 21 December, 2024

SESSION CHAIRS & COMMENTATORS



Prof. Dr. Govinda Pd Acharya
Former Dean
Faculty of Management (TU)



Prof. Dr. Satish Kumar Ojha
Regional Dean, Business and Accountancy
Lincoln University College



Asso. Prof. Dr. Arun Timalsina
Chief IQAC
Pulchowk Campus



Prof. Dr. Sudhan Jha
Kathmandu University
SM- IEE Lead Researcher (IoT, R&D Lab)



Dr. Pawan Sharma
Executive Chairman – Envision Nepal
IT Director – Kamada Bikash Bank



Mr. Rajan Bhandari (PhD Scholar)
Former Executive Director
Nepal Rastra Bank



Mr. Shyam Sundar Shrestha (PhD Scholar)
Principal
Texas International College



Dr. Hridaya Man Shrestha
Chief Executive Officer
Envision Tech Pvt. Ltd.



Dr. Suman Thapaliya
Head of IT Department
Texas College of Management and IT



Dr. Samir Kharel
Academic Head
Global College



Ms. Sarala Karki (PhD Scholar)
Director, RLD
Texas Education Network



Mr. Chiranjibi Adhikari
General Secretary
CAN



Synopsis of Keynotes

Prof. Dr. Dev Raj Adhikari

Chairperson of University Grants Commission, Nepal

The National Conference on “Integrating IT for Management Innovation and Organizational Sustainability” provided a crucial platform for discussing the role of Information Technology (IT) in enhancing management practices and ensuring sustainable organizational growth. Prof. Dr. Dev Raj Adhikari, Chairperson of the University Grants Commission (UGC) Nepal, delivered the keynote address, emphasizing UGC’s commitment to fostering research, academic excellence, and innovation in Nepal.

In his address, Prof. Dr. Adhikari highlighted the transformative role of research in shaping policies, improving industry practices, and addressing contemporary challenges. He underscored UGC’s active role in supporting research initiatives through financial grants, funding opportunities, and institutional collaboration. He presented evidence-based contributions made by UGC in promoting research-led innovation and stressed the importance of aligning academic research with national development priorities.

The keynote address further elaborated on UGC’s initiatives in strengthening research infrastructure, such as establishing research centers, digital libraries, and laboratory facilities. It also highlighted efforts in capacity building through workshops, training programs, and conferences aimed at equipping researchers with advanced methodologies and technological expertise. Additionally, UGC’s role in encouraging high-quality research publications at national and international levels was emphasized, ensuring that Nepalese scholars gain global recognition for their contributions.

Prof. Dr. Adhikari reaffirmed UGC’s commitment to supporting research endeavors and facilitating collaborations among institutions, scholars, and industry professionals. He expressed confidence that platforms like this conference would enable meaningful discussions, foster innovation, and contribute to the integration of IT in management for long-term organizational sustainability. He concluded by extending his best wishes for the success of the conference and encouraged all participants to actively engage in research and knowledge-sharing to drive technological and managerial advancements in Nepal.

Synopsis of Special Remarks

Er. Ganesh Shah

Er. Ganesh Shah, former State Minister for Science and Technology, delivered his keynote address and emphasized that the traditional technology we have had is gradually diminishing, which is a matter of worry for all of us. Our age-old technology practiced in social, cultural, and economic settings is no doubt a national heritage that must be tuned with the emerging smart technology of the modern IT era. I believe that Nepali youths' thoughts should be channeled towards integrating IT for organizational effectiveness and sustainability.

Program Schedule

20th December, 2024

Texas International College
Mitrapark

NATIONAL CONFERENCE

"INTEGRATING IT FOR MANAGEMENT INNOVATION
AND ORGANIZATIONAL SUSTAINABILITY"

Day 1

INAUGURATION PROGRAM

9:00-9:30AM	Registration
9:30-10:00AM	Breakfast
10:00-10:30AM	Arrival of Chief Guest, Special Guest, Patron and Guests of Honor
10:30-10:35AM	Seat Taking by Chair of Inauguration Program <i>Mr. Bheshraj Pokhrel, Executive Chairman</i>
10:35-10:45AM	Seat Taking of Chief Guest, Special Guest, Patron, Guests and Dignitaries
10:45-10:55AM	Inauguration of Conference by Lightening the Butter Lamp <i>Prof. Dr. Devraj Adhikari, Chairperson, University Grants Commission, Nepal Chief Guest of the Program</i>
10:55-11:00AM	Welcome Speech <i>Mr. Shyam Sundar Shrestha, Principal</i>
11:00-11:15AM	Note on the Perspective of Conference (Planery Session) <i>Prof. Dr. Govinda Prasad Acharya, Chief of Academics</i>
11:15-11:30AM	Conference Thrusts <i>Prof. Dr. Sateesh Kumar Ojha</i>
11:30-11:45AM	Keynote Address <i>Prof. Dr. Devraj Adhikari, Chairperson, University Grants Commission, Nepal Chief Guest of the Program</i>
11:45AM-12:00PM	Special Remarks <i>Er. Ganesh Shah, Former Minister for Environment, Science and Technology Special Guest of Program</i>
12:00-12:35PM	Best Wishes Remarks <i>Prof. Dr. Keshab Kumar Shrestha, Patron Prof. Dr. Subarna Shakya, Director, IT Innovation Center IOE, Pulchok Dr. Tuli Thapaliy, Former Secretary, Ministry of Education Science and Technology Mr. Rajan Bhandari, Former Chairman, Citizens Bank, Former Executive Director, Nepal Rastra Bank</i>
12:35-12:45PM	Vote of Thanks <i>Mr. Jitendra Kumar Bakhui, Managing Director</i>
12:45-12:55PM	Closing Remarks <i>Mr. Bheshraj Pokhrel, Executive Chairman</i>
12:55-1:55PM	Lunch

Parallel Session will start form 2 pm at
Texas College of Management and IT (TCMIT)

3 Parallel Sessions

Program Schedule

21st December, 2024

Texas College of Management & IT
(Siphal, Chabahil)

Day 2

NATIONAL CONFERENCE

"INTEGRATING IT FOR MANAGEMENT INNOVATION
AND ORGANIZATIONAL SUSTAINABILITY"

CLOSING PROGRAM

4 Parallel Sessions

Parallel Session Session will start form 9 AM to 3 PM at
Texas College of Management and IT (TCMIT)

3:15-3:20PM	Arrival of Chief Guest and Dignitaries
3:15-3:20PM	Welcome Address Mr. Shyam Sundar Shrestha, Principal
3:20-3:30PM	Summation of the Conference Ms. Sarala Karki, Director, Research Learning and Development
3:30-3:45PM	Distribution of Certificates and Token of love Prof. Shanker Bhandari, Member, Secretary, University Grants Commission, Nepal Chief Guest
3:45-4:00PM	Special Remarks Prof. Shanker Bhandari, Member, Secretary, University Grants Commission, Nepal Chief Guest
4:00-4:10PM	Remarks Dr. Suman Thapaliya, Head of IT Department
4:10-4:20PM	Closing Remarks Mr. Yubraj Basnet, Vice- Principal
4:20-4:30PM	Vote of Thanks Mr. Narayan Pokharel, Business Development Director
4:30-Onwards	Light Refreshment

Registration and Breakfast: 9:00 to 10:00 AM
Lunch: 12:30 to 1:30 PM

Program Schedule

National Conference on "Integrating IT for Management Innovation and Organizational Sustainability"

DAY I: 20 December 2024

	HALL (1) AI & Cyber Security	Hall (2) Education & Management HR	Hall (3) ICT
	Session Chair: Associate Prof. Arun Timalisina	Session Chair: Mr. Rajan Bhandari Commentator: Mr. Shyam Sundar Shrestha, PhD Scholar	Session Chair: Prof. Dr. Sudan Jha
1. (Time: 2:00 to 2:15 PM)	Title: Performance Optimization in AI-Powered Web Accessibility Tools: A Framework for Efficient Real-Time Adaptations for Neurodivergent Users Presenter: Ashish Gautam	Title: Effects of Consumption Values on Purchase Intention in the Hospitality Industry Presenters: Dinesh Basnet, Pragya Pati, Riya Shrestha, Sampada Ray Chhetri	Title: AI in Cybersecurity: Guardian or Threat? Presenter: Dr. Pawan Kumar Sharma
2. (Time: 2:20 to 2:35 PM)	Opportunities and Challenges of Large Language Models in the context of Nepal Presenters: Rajan Yadav, Rupak Gartaula and Durganand Panjiyar	Title: Employee Motivation of Commercial Bank Of Nepal Presenter: Raju Raut, PhD Scholar	Title: Optimized Deep Neuro-Fuzzy Networks for Enhanced Cyber Forensic Investigations in IoT-Driven Big Data Environments Presenter: Dr. Suman Thapaliya
3. (Time: 2 :40 to 2:55 PM)	Title: "Integrating AI for Climate change that measures organizational sustainability in the 2025 era" Presenter: Er. Dipesh Neupane	Title: Influence Of Social Support And Self-Efficacy On Training Transfer in 5-Star Hotels. An Exploratory Qualitative Study	Title: The role of White Hat Hackers in countering cyber- crime in Nepal: Challenges and Recommendations Presenter: Prabin Magar

National Conference on "Integrating IT for Management Innovation and Organizational Sustainability"

DAY I: 20 December 2024

		Presenters: Dinesh Basnet, Krishna Dumar, Manisha Ale Magar, Amisha Tamang, Prashant Tamang	
4. (Time: 3:00 to 3:15 PM)	Title: A Comparative Analysis Of Evolving Title: Explainable AI for Cyber Security: Interpretable Models for Malware Analysis and Network Intrusion Detection Presenter: Deepak Adhikari	Title: The Effect of Internal Organization Communication On The Performance Of The Banks Of Nepal. Presenter: Saugat Subedi	Title: AI-Driven Cyber Security Mitigating Prompt Injection Attacks through Adversarial Machine Learning Presenter: Saroj Ghimire
5. (Time: 3:20 to 3:35 PM)	Title: Impact of Artificial Intelligence (AI) in Content Creation Presenter: Pradeep Kutuwaju	Title: Individual Performance' and Training Effectiveness at the Public Finance Management Training Center (PFMTC) Presenter: Anupama Karki, PhD Scholar	Title: Application of Deep Learning Algorithms and Restricted Gene Expression Programming for Forecasting Stock Prices in Nepal - A Comparative Study Presenter: Mukesh Ghimire

Program Schedule

National Conference on "Integrating IT for Management Innovation and Organizational Sustainability"

DAY II: 21 December 2024

	HALL (1) AI & Cyber Security	Hall (2) Education & Management HR	Hall (3) ICT
Session Chairs/Commentators	Dr. Suman Thapaliya	Prof. Dr. Govinda Prasad Acharya	Dr. Pawan Kumar Sharma
1. (Time: 10:00 to 10:15 AM)	Title: Tomorrow Comes Today: Transformative Trends in Creative Industries and Beyond Presenter: Surya Basnet	Title: Gen Z and The Changing Definition Of Entrepreneurship: Redefining Work In A Digital Age Presenter: Bibek Bhattarai	Title: Digital Wellbeing: A Comprehensive Study On Its Influence Across Various Life Domains Presenter: Anjan Pudasaini
2. (Time: 10:20 to 10:35 AM)	Title: Multi-Stakeholders' Consultation in Cyber Security Policy on 2080 Presenter: Mr.Chiranjivi Adhikari	Title: Strategic Importance Of Supply Chain Management In Small And Medium Enterprises With Reference To Nepal Presenter: Suman Bhattarai Ph.D Scholar	Title: Cybersecurity Compliance for SMEs in Nepal: An Integrated Approach to Policy, Culture, and Technology Presenter: Bidhya Sagar Dhakal (Online)
3. (Time: 10:40 to 10:55 AM)	Title: AI and Automation for Sustainable CSP Infrastructure Presenter: Prof. Dr. Sudan Jha	Title: Entrepreneurship can be used as an instrument for brain gain in Nepal Presenter: Mr. Nitesh	Title: Assessing the role of information and communication technologies for enhancing the knowledge-sharing activities in business schools in Kathmandu Valley

National Conference on "Integrating IT for Management Innovation and Organizational Sustainability"

DAY II: 21 December 2024

		Pradhan	
4. (Time: 11:00 to 11:15 AM)		Title: E-Learning In Higher Education In Management: Enhancing Students' Satisfaction. Presenters: Mr. Sambed Timilsina Sagar Thapa Rohit Prasad Pandey	Presenter: Gaurav Ojha Title: A Novel Approach to Self-tuning Database Systems Using Reinforcement Learning Techniques Presenter: Mr. Sushil Bhattarai
5. (Time: 11:20 to 11:35 AM)		Title: Effectiveness of Appraisal Interviews: A Systematic Literature Review. Presenter: Ms. Sarala Karki	
6. (Time: 11:40 to 11:55 AM)		Title: Factors That Influence Student's Satisfaction Presenter: Laxmi Khadka	
Session Chairs/Commentators	Dr. Samir Kharel	Prof. Dr. Sateesh Kumar Ojha	Prof. Dr. Gajendra Sharma

Program Schedule

National Conference on “Integrating IT for Management Innovation and Organizational Sustainability”

DAY II: 21 December 2024

7. (Time: 12:00 to 12:15 PM)	Title: Information Highway (I-Way) Presenter: Ajay Gubaju	Title: Education For Lean And Lean For Education: What's Next?" Presenter: Sweta Simkhada	Title: E-smart Home System: Leveraging MQTT Protocol For Smart Automation In Nepal Presenter: Er. Saduram Basnet
8. 12:20 to 12:35 PM)	Title: Fake News/Mails detection using deep learning LSTM's Networks Presenter: Rojan Upreti	Title: Customer Perception Towards e-Banking Adoption in Kathmandu Valley Presenters: Dr. Padam Dongol Pramila KC Muna Banset	Title: Fintech With Interoperability Beyond Payments In Nepal Presenter: Diwakar Baskota
Lunch Break 12:35 to 1:35 PM			
9. 1:40 AM to 1:55 PM)	Title: Cryptocurrency and Developing Economies: Opportunities, Challenges, and Economic Transformation" Presenter: Saroj Dhital	Title: The Role of Technical English in Higher Education: Addressing the Profession-Specific Linguistic Needs of Students" Presenter: Dr. Sunita Dawadi	Title: Integrating Iot And Remote Sensing For Urban Air Quality Monitoring In Nepal Presenter: Vayuu
10. 2:00 to 2:15 PM)	Title: API Attack Techniques Targeting Banking Industries Of Nepal	Title: Youths adherence towards digital platform (mobile application) for mental health services in Nepal.	Title: Ontology-Driven IT Framework for Scalable Syllabus Management, Academic Profiling, and Curriculum Innovation

National Conference on “Integrating IT for Management Innovation and Organizational Sustainability”

DAY II: 21 December 2024

	Presenter: Jayaram Pudasaini	Presenter: Roji Maharjan	Presenter: Er. Atish Shakya
11. 2:20 to 2:35 PM)	Title - AI-Powered Cybersecurity : Opportunities and challenges Presenter: Yojan Dhakal	Title: Migration Trend in Health & Care Presenter: Dr. Prithvi Raj Thapaliya	Title: Using Information Systems for Management of Private College Offices in Nepal Presenter: Kumar Poudyal Thapaliya

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Note: Only the abstracts reviewed and approved by the Research Committee are included in this proceeding.

Information Highway (I-Way)

Ajay Gubaju

Email: 22f-mcs.04@texascollge.edu.np

Thrust The Information Highway bridges digital boundaries and empowers people and communities worldwide by providing universal access to knowledge. Exploring the importance of Information Highway as an essential medium for knowledge sharing that promotes economic expansion, innovation and international cooperation is the focal point of the paper. In addition, the study highlights the ways of tackling issues related to privacy, cybersecurity and digital inequality in the backdrop of creating move resilience, inclusive and sustainable infrastructure.

Objectives The objective of the study is to analyze about how does information highway act as the building block of the digital economy enabling flow of ideas globally.

Methodology The method adopted in the article is the authors' observations and application of systems at real fields.

Results I-way makes it possible to create individualized experiences that are catered to every user's taste, habits, and requirements by utilizing technologies like augmented reality (AR), virtual reality (VR), and machine learning (ML).

Conclusion The I-way promotes a new era of digital interaction where users can explore, communicate, and develop in seemingly endless ways, blurring the lines between the real and virtual worlds

Keywords *augmented reality (AR), virtual reality (VR), and machine learning (ML)*

Digital Wellbeing: A Comprehensive Study on Its Influence Across Various Life Domains

Anjan Pudasaini

Email: pudasainianjan@gmail.com

Thrust This study aims to explore how digital technology is influencing the daily life of individuals may it be in communication, work, and in any other social spheres. The paper emphasizes possible immense benefits along with their negative effects on physical, mental, and social health.

Objectives This study investigated the multifaceted impacts of digital technology on physical, mental, and social well-being while identifying strategies to foster healthier digital habits.

Methods A mixed-methods approach was employed, combining quantitative surveys and qualitative interviews with participants. Surveys measured indicators like screen time, physical symptoms, and mental health, while interviews explored personal strategies and perceptions.

Thematic analysis and statistical regression provided comprehensive insights.

Findings Results reveal significant correlations between prolonged digital use and health issues such as eye strain, sleep disturbances, anxiety, and social isolation. Participants employing mindful digital practices reported better well-being.

Implications This study underscores the importance of balancing digital engagement through personal strategies, organizational policies, and government interventions. Findings provide a framework for promoting digital habits that enhance quality of life.

Keywords *digital wellbeing, screen time, mental health, social health, digital habits*

Approaches used in Curriculum Innovation in Higher Education System

Atish Sakya

Email: atishshakya@gmail.com

Thrust These days it is common to put curriculum under IT framework without compromising the root of ontology on the courses envisaged.

Objectives To analyze the bases of curriculum development practices to encompass recent trends of technology on different subjects of higher education institutions.

Methods The method adopted is queries with the curriculum development practitioners and relate their opinions and suggestions with existing literature that pertains to the innovative curriculum for 15 subjects

Findings The curriculum experts suggested scalable curriculum development practices based on education philosophy ontology like RDF-based triple stores, SPARQL querying.

Implications This study is thought provoking to those who are involved in innovation curriculum development practices.

Keywords *scalable curriculum management, innovative curriculum development, relationship-based approach to course classification*

Gen Z And the Changing Definition Of Entrepreneurship: Redefining Work In A Digital Age

Bibek Bhattarai

E-mail: bibekbhattraai2020@gmail.com

Thrust This study explores the challenges and opportunities faced by Generation Z in Nepal as they navigate a rapidly evolving job market disrupted by AI. With traditional employment becoming increasingly unpredictable, this generation turns to entrepreneurship as a sustainable alternative that aligns with their values of flexibility, job creation, and work-life balance.

Objectives The objective is to assess how ICT tools and digital platforms facilitate entrepreneurial ventures for young Nepali professionals.

Methods The study uses secondary data and literature reviews to examine how digital technologies and innovative ecosystems empower Gen Z to overcome systemic challenges, such as limited access to resources and infrastructure.

Findings The findings reveal that entrepreneurship not only provides financial independence but also accommodates Gen Z's desire to keep well-being as their first priority and find comfort in non-traditional work environments, which is substantially less likely to be affected by AI. This study underscores the critical role of supportive learning environments and technology-driven frameworks in fostering entrepreneurial skills.

Implications The implications highlight the need for policy reforms and educational initiatives to support sustainable entrepreneurship and equip young adults to thrive in an uncertain economic landscape.

Keywords *generation Z, entrepreneurship, AI disruption, ICT, work-life balance*

Cybersecurity Compliance for SMEs in Nepal: An Integrated Approach to Policy, Culture, and Technology

Bidhya Sagar Dhakal

E-mail: 22f-mcs.01@texascollge.edu.np

Thrust In an increasingly digital world, small and medium-sized enterprises (SMEs) face significant challenges in achieving effective cybersecurity compliance amid escalating cyber threats.

Objectives The study tries to identify key barriers to compliance, assesses the impact of organizational culture on policy implementation, and evaluates the role of technological tools in shaping compliance efforts.

Methods The study is based on in-depth study of the best practices from successful SMEs. For the selection of successful SMEs the criteria considered were SMEs run with harmonized policy, blended culture and technology with environment and enhanced cyber security compliance.

Findings The literature on cybersecurity compliance highlights the critical relationship between organizational policies, culture, and technological solutions. Effective compliance requires clear organizational policies that guide employees in protecting information systems, as studies from sources like Emerald Insight and ISACA noted.

Implications This review underscores the need for SMEs to adopt an integrated approach that aligns policies, culture, and technology. By addressing these elements collectively, SMEs can establish a resilient cybersecurity framework that ensures compliance and protects their critical assets in an increasingly complex digital environment.

Keywords *cybersecurity compliance, integrated approach*

Effects of Consumption Values on Purchase Intention in the Hospitality Industry

Dinesh Basnet

Pragya Pati, Riya Shrestha, Sampada Ray Chhetri

Email: dinesh.usms@gmail.com

Abstract

Thrust The present study investigates the purchase intention of online users within the Nepalese hospitality industry, consisting of consumers who invest considerable amounts in quality accommodation.

Objectives This research aims to examine the relationship between consumption values and purchase intention, analyzing their effect and impacts. This research consequently contributes to the literature gap by studying consumption value and its influence on purchase intention in the stated context.

Methods Primary data was collected through non-probability (judgmental) sampling from online hospitality consumers, and a quantitative approach was used. A positivist epistemology underpinned the methodology, while the research design was descriptive and causal and guided the analysis. The relation of various independent variables, namely Monetary value, Quality of Benefits Value, Social Status Value, Information Value, and Preference Value, with the dependent variable discussed, Purchase intention. The hotels of Nepal, though investing much in brand image through costly advertisements, do not recognize consumer behavioral practices.

Findings The findings conclude a positive relationship between monetary, information, and social status value on purchase intention while indicating a negative relationship between quality of benefits and preference value with the dependent variable.

Implications The study has pinpointed some pivotal factors that affect purchase intention in the hospitality industry in Nepal and guides marketing strategies toward service quality improvement to increase customer satisfaction and loyalty.

Keywords *hospitality industry, information value, monetary value, online platforms, online users, purchase intentions, quality of benefits value, social status value*

Influence of Social Support and Self-Efficacy on Training Transfer in 5-Star Hotels. An Exploratory Qualitative Study

Dinesh Basnet, Krisha Dumar, Manisha Ale Magar, Amisha Tamang, Prashant Tamang

Email: dinesh.usms@gmail.com

Abstract

Thrust Effective training programs are essential in the hospitality sector, where service quality directly impacts client satisfaction.

Objectives This study aims to examine how organizational, peer, and supervisor support, and self-efficacy, affect training transfer in Nepal's five-star hotel sector.

Methods This study uses an exploratory qualitative method, conducting semi-structured interviews with hotel employees, managers, and supervisors. Thematic analysis uncovered significant themes and trends, resulting in a more comprehensive knowledge of the elements influencing training transfer.

Findings The study's findings show that supervisor support is critical for reinforcing the practical application of training. Employees who received frequent feedback and follow-up from their supervisors were more motivated to use new abilities, resulting in more effective training transfer. Peer support also appeared as a key component in encouraging employee teamwork and confidence.

Implications It implicates how these factors help employees apply the knowledge and abilities they learned during training to their job tasks and how this affects overall job performance.

Keywords *organizational support, peer support, self-efficacy, supervisor support*

Explainable AI for Cyber Security: Interpretable Models for Malware Analysis and Network Intrusion Detection

Mr. Dipak Adhikari

Email: deepak.adhikari@texascollge.edu.np

Abstract

Thrust The aim of this study is to explore the application of Explainable AI (XAI) in the field of cybersecurity, focusing on the development and evaluation of interpretable models for malware analysis and network intrusion detection. The study seeks to enhance the transparency, trust, and usability of AI-driven cybersecurity systems, enabling informed decision-making and improved threat mitigation.

Objectives To investigate the role of XAI techniques in improving the interpretability of AI models used in malware analysis. To evaluate the effectiveness of XAI methods, such as feature attribution and rule-based models, in enhancing network intrusion detection systems (NIDS). To identify the challenges and limitations Explainable AI has the potential to revolutionize cybersecurity by making AI models more transparent and trustworthy. This paper highlights the importance of XAI in malware analysis and network intrusion detection, showcasing techniques, challenges, and opportunities. By fostering interpretability, XAI enables security professionals to better understand, trust, and utilize AI-driven systems, paving the way for safer digital environments.

Keywords *explainable AI (XAI), network intrusion detection, interpretable models, feature attribution, trustworthy AI, anomaly detection, adversarial robustness*

Integrating AI For Climate Change to Measure Organizational Sustainability In The 2025 Era

Er. Dipesh Neupane

Email: er.dipeshneupane@gmail.com

Abstract

Thrust The integration of Artificial Intelligence (AI) in measuring organizational sustainability has become increasingly crucial in the era of climate change. By 2025, AI-driven technologies are expected to play a pivotal role in enhancing the efficiency and effectiveness of sustainability strategies. AI can automate data collection, analyze complex environmental datasets, and uncover hidden patterns that human analysis might miss. This enables organizations to optimize resource use, streamline supply chains, and improve energy consumption.

Objectives This paper explores the application of AI in optimizing resource use, enhancing energy efficiency, and reducing greenhouse gas emissions.

Methods Through case studies and data analysis, we demonstrate how AI-driven solutions can provide accurate sustainability metrics, enabling organizations to make informed decisions and achieve sustainability goals.

Findings The paper also addresses the challenges and ethical considerations associated with AI implementation in sustainability practices.

Implications However, implementing AI also presents challenges, including significant energy demands, data privacy concerns, and the need for ethical oversight. Despite these challenges, AI's potential benefits in advancing organizational sustainability are substantial, making it a crucial tool for achieving global climate change.

Keywords *AI-driven technologies, artificial intelligence (AI)*

The intricate relationship between AI and cybersecurity, examining the potential benefits and risks of this emerging trend

Dr. Pawan Kumar Sharma

Email: pawan.mct@gmail.com

Abstract

Thrust The rapid advancement of Artificial Intelligence (AI) has ushered in a new era of opportunities and challenges in cybersecurity. This paper explores the intricate relationship between AI and cybersecurity, examining the potential benefits and risks of this emerging trend.

Objective The objective is to analyze how AI-powered tools are revolutionizing threat detection, incident response, and overall security posture while also considering AI's dual-use nature, which malicious actors can exploit.

Methods The research is based on reviews of into cutting-edge AI applications in cybersecurity, including machine learning algorithms for anomaly detection, deep learning models for malware classification, and natural language processing for threat intelligence analysis.

The findings show a need for AI-driven security systems, emphasizing responsible AI development and deployment.

Implications indicates to address further the evolving landscape of AI-enabled cyber threats, such as deepfakes, adversarial attacks, and AI-powered social engineering by synthesizing current research and industry practices,

Keywords *artificial intelligence, cybersecurity, machine learning, threat detection, incident response*

Optimized Deep Neuro-Fuzzy Networks for Enhanced Cyber Forensic Investigations in IoT-Driven Big Data Environments

Dr. Suman Thapaliya

Email: suman@texascollege.edu.np

Abstract

Thrust The rapid proliferation of the Internet of Things (IoT) offers unprecedented opportunities for innovation; it also introduces significant challenges for cyber forensic investigations requiring addresses from hybridization of deep learning and fuzzy logic for efficient, accurate, and scalable analysis of complex data.

Objectives This paper presents an optimized deep neuro-fuzzy network (ODNFN) framework to enhance cyber forensic capabilities in IoT-driven big data environments.

Method The method adopted is the authors' profound observation of fuzzy logic being applied to forensic investigation.

Findings The results highlight the ODNFN framework's potential to transform cyber forensic investigations by improving accuracy, scalability, and decision-making in high-dimensional and heterogeneous IoT environments.

Implications This research implicates the need for an intersection of artificial intelligence and digital forensics, paving the way for more resilient and intelligent forensic methodologies.

Keywords *optimized deep neuro-fuzzy networks, cyber forensic investigations, iot-driven big data, anomaly detection, digital forensics*

Assessing the role of information and communication technologies for enhancing the knowledge-sharing activities in business schools in Kathmandu Valley

Gaurav Ojha

Email: ojhaGaurav84@gmail.com

Abstract

Thrust The study aims to highlight the role that information and communication technologies (ICTs) can play as an integral component in empowering management education institutions to integrate social systems for excellence in management practices through knowledge sharing.

Objectives This study attempted to evaluate how different dimensions of information and communication technologies generate learning contexts that can enhance knowledge-sharing practices in business schools. The study's primary purpose is to assess how ICTs create an enabling environment that fosters better knowledge sharing in management education, suitable for coping with the emerging challenges of the future.

Methods This research paper has used narrative inquiry to collect, describe, and reflect on the narratives of undergraduate and postgraduate business students and management education students studying in different reputed management schools in Kathmandu.

Findings Based on content analysis of semi-structured interviews, this article finds that adequate levels of sharing knowledge occur when the efficacy of information and communication technologies is also optimally efficient and effective for its users, where the gap between the learner's current level of knowledge, skills, and attitudes is bridged through the support of technological support.

Implications This paper implies that business schools need to develop comprehensive information and communication technologies frameworks to promote the effective sharing of knowledge that fosters a learner-centric modality of management education, where teaching and learning orientations, approaches, and styles of business schools reflect the aspirations of 21st-century management learners.

Keywords *information and communication technologies, management education, transferring of knowledge*

A Comparative Analysis of Evolving API Attack Techniques Targeting the Banking Industries of Nepal

Jayaram Pudasaini

Email: jpudasaini@yahoo.com

Abstract

Thrust To improve digital services and operational efficiencies, using APIs is a way for researchers to get incredible momentum in Nepal's banking sector. In similar counts, as the number of API users is remarkably increasing, so are hackers attempting to get security loopholes and unauthorized access to users' sensitive information. In light of this, the present study attempts to analyze the changing landscape of API threats over the banking sector of Nepal and updated methods practiced by hackers to gear up and take advantage of security gaps in Nepali banks' APIs.

Objectives The primary objectives of this study is to bring to the surface some striking trends and patterns in the attacker behavior through a contrast of new API attack tactics against tried and true approaches. Special challenges faced by Nepali banks due to a set of issues including paucity of resources, strict rules and uniqueness of banking sector were also the objectives and areas of inquiry of the study.

Methods The methods applied by the study were relevant literature review, experts, structured as well as unstructured interviews, and relevant industry API security incidents, case studies. Methods adopted attempt to do in depth and insightful evaluation of API security status at banking industries in Nepal.

Findings This study proposes a minute understanding of API attack techniques emerging in the banking world and help them develop best practices in service of better and more powerful API security.

Implications Strong security postures to combat security threats, such as API-based attacks, are needed by the banking sector in Nepal in order to protect clientele information and strengthen the overall security of the banks. The implications of this study result in keeping the financial information of both banks and clients intact and highly secured.

Keywords *APIs in bank, digital services, API threats, Nepal financial industry, sophisticated attack, API attack trends, threats landscape, API security.*

Using Information Systems for Management of Private Colleges in Nepal

Kumar Poudyal

Email: kumar@texascollege.edu.np

Thrust The evolution of information systems (IS) in Nepal has been a critical driver of development across various sectors, including education, healthcare, governance, and commerce.

Objective The objective is to explore the current state, challenges, and opportunities of information systems in Private Colleges in Nepal. It emphasizes the interplay between technology adoption, policy frameworks, and socio-economic factors, focusing on its impact on key operations such as communication, documentation, and resource management.

Method A mixed-methods approach was employed, combining quantitative data from surveys and qualitative insights from case studies in private colleges.

Findings It indicates that IS implementation significantly improves operational efficiency, but challenges such as inadequate infrastructure, limited technical expertise, and budget constraints remain prevalent. The findings highlight the need for targeted policies, capacity-building initiatives, and technological investments to facilitate wider adoption.

Implications This has implications for overcoming these barriers and underscores IS's potential to transform office management practices in private colleges in Nepal, promoting efficiency, transparency, and accountability.

Keywords *information system management, private colleges, accountability*

Factors Influencing Student Satisfaction

Laxmi Khadka

Email: khadkalaxmi676@gmail.com

Thrust Various factors are responsible for satisfying students in their learning, and if students are not satisfied with their full potential in education, their contributions to the future are uncertain.

Objectives The article investigates how personal traits, parental support, the teaching-learning environment, and campus support facilities affect student satisfaction.

Methods The study employed a quantitative approach, collecting and analyzing data from 450 grade 12 students. Respondents were selected using stratified random sampling. The gathered data represented various aspects that contributed to students' satisfaction. Data analysis was conducted using statistical tools like descriptive statistics, t-tests, and ANOVA to explore group differences.

Findings Students' satisfaction with their learning varies widely. The study revealed that personal, institutional, and external factors determine students' satisfaction and level.

Implications The study's implications highlight the greater need for improved teaching and learning environments, better career support, and effective management of external factors and pressures. The study's investigated facts also ensure that if the identified needs are understood and managed well, they ultimately guide students' better career decisions and successful futures.

Keywords *student satisfaction, personal factors, institutional factors, academic environment, support services*

Application of Deep Learning Algorithms and Restricted Gene Expression Programming for Forecasting Stock Prices in Nepal - A Comparative Study

Mukesh Ghimire

Email: mukesh.ghimire@outlook.com

Thrust The earlier practice of manual tools and techniques has been gradually replaced by machine learning models for stock price prediction, besides learning the ever-emerging innovations in the field concerned.

Objectives The objective is to investigate the accuracy of the result, which shows that RGEP consistently outperforms the DL algorithms across all performance metrics, making it the best option for stock price prediction.

Methods The ten-year stock data (2014 – 2024) represented 29 stocks of 15 sectors within NEPSE, which were evaluated by the application of DL and RGEP and interpreting the value MAPE, R2, and RMSE

Findings The study's results show that RGEP consistently outperforms the DL algorithms across all performance metrics, making it the best option for stock price prediction. The Man-Whitney U test further validated this. The findings suggest that integrating advanced forecasting methods like RGEP and GRU (or LSTM) into financial decision-making can enhance investment strategies and risk management practices.

Implications The study concludes that luring capital investments and adopting risk management strategies are the sine qua non of the ideal stock market operation. The study forcefully argues that integrating advanced forecasting methods like RGEP and GRU (or LSTM) into financial decision-making needs to be built to enhance investment strategies and risk management practices.

Keywords *deep learning, RGEP, NEPSE, price prediction*

Customer Perception Towards e-Banking Adoption in Kathmandu Valley

Dr. Padam Dongol

Email: padamdongol2000@gmail.com

Pramila KC

Email: pramila.kct@gmail.com

Muna Banset

Email: basnetmuna09@gmail.com

Abstract

Thrust e-banking practices are affected by the perceived usefulness, ease of use, risk, cost, and behavioral control of the users.

Objective To investigate customers' perceptions of e-banking adoption in Kathmandu Valley, emphasizing key factors such as perceived usefulness, cost, and behavioral control.

Method The study used a convenience sampling approach. Three hundred fifty respondents were surveyed through self-administered questionnaires distributed online and in person. The study is based on a structural model named the technology adoption model, popularized by Davis (1989) and Davis (1993). It applied descriptive and inferential statistical tools.

Findings highlighted perceived behavioral control as the highest impacting factor, followed by cost and perceived usefulness, explaining 68.6% of the variance in e-banking adoption.

Implications It provides valuable insights into improving user experiences and increasing adoption rates and provides the basis for future research.

Keywords *e-banking, consumer perception, cost, usefulness, behavioral control*

The Role of White Hat Hackers in Countering Cybercrime in Nepal: Challenges and Recommendations

Prabin Magar

Email: prabinmagar711@gmail.com

Thrust Ethical or white-hat hackers have been instrumental in the digital world, finding weaknesses and fortifying existing systems. We need to address this issue.

Objectives This study aims to find ways white hackers help mitigate cyber threats.

Methods This study used a quantitative method to collect, describe, and reflect on the role of white hat hackers in countering cybercrimes in Nepal. Besides, the study vividly deals with the probable challenges and the best possible measures based on the narrative analysis of the experts involved in the field.

Findings The results of this study indicated that insufficient awareness of ethical hacking, lack of organizational support, and an inadequate legal framework on ethical hacking practices contributed to cybercrimes in Nepal.

Implications The study has stressed that if the ethical hacking system is improved, it can reduce the effects of potential threats in the future.

Keywords *ethical hackers, cybercrime, white hat hackers, cybersecurity*

Impact of Artificial Intelligence(AI) on Content Creation

Pradeep Kutuwaju

Email: pradeepkutuwanju@gmail.com

Abstract

Thrust: Sharing valuable, relevant, and engaging information for a target audience through content creation has always been essential for every organization responding to the environment. Artificial intelligence (AI) techniques have started to dominate this area.

Objective The objective of this study is to examine how AI affects content production in terms of contrasting workflows, output standards, and levels of efficiency.

Method Applied observation on the performances of AI professionals.

Findings The Study's findings show that a balanced strategy incorporating AI capabilities while upholding human creativity is necessary for a beneficial and inclusive influence on content production. For instance, New things and creations are human outcomes, whereas collecting them in big data storage and retrieving them through different mechanisms is AI's role. Ethical concerns, algorithmic biases, data privacy issues, and the potential displacement of jobs pose significant problems.

Implications Future research should focus on developing equitable AI systems and exploring innovative applications that further bridge the gap between human creativity and machine efficiency

Keywords *AI-enhanced editing tools, natural language processing (NLP)*

Employee Motivation of Commercial Bank of Nepal

Raju Raut

Email: rajuraut862@gmail.com

Abstract

Thrust Employees are motivated by different factors, both monetary and non-monetary. They always become subjects of interest, which is not exceptional in the Commercial Bank of Nepal.

Objectives This study investigated how factors like pay, working culture, and the prevailing leadership style influence employees' motivation in Nepali commercial banks.

Methods This study is exclusively based on the primary data collected from the respondents through the administration of a structured questionnaire that focused on three key factors: employees' pay, organizational culture, and leadership style. Several statistical analyses were done.

Findings The statistical analysis adopted by the study showed that all three factors considered had similar influences and impacts on employees' motivation across selected commercial banks but with varied degrees to varied levels of employees. The front and junior levels were influenced by pay, whereas in the case of others, organizational culture and leadership style played significant roles.

Implications The study thus suggests that organizations should develop strategies to balance a compensation package that is blended with both extrinsic and intrinsic rewards and considers the rank level of employees.

Keywords *motivation, pay, working culture, and leadership style*

Fake News/Mail Detection with Deep Learning LSTM Networks

Rojan Upreti

Email: rojanupreti99@gmail.com

Abstract

Thrust Fake news destroys society, and genuine news empowers society towards constructions and applications of machine learning algorithms.

Objectives This study aimed to review existing techniques and explore machine learning (ML) and deep learning (DL) methodologies for identifying fake news.

Methods This study extensively reviews articles and cases involving machine learning (ML) and deep learning (DL) and develops insight.

Findings These technologies can assess news authenticity, aiding journalists and media professionals in delivering accurate reports. Such systems hold the potential to revolutionize information verification processes and ensure the dissemination of reliable content.

Implications Further studies are suggested to develop an algorithm for information verification processes and ensure unauthentic identification.

Keywords *fake news detection, spam detection, machine learning (ML) algorithms, LSTM network*

Youths' Adherence to Digital Platforms (mobile applications) for Mental Health Services in Nepal

Roji Maharjan

Email: rojimaharjan18@gmail.com

Thrust Societies are divided into two extreme continuums: the benefits of Digital Platforms for youth health and the harms to youth. Society must decide whether to let youth know about their use for their mental health.

Objective Objective of the study is to The article analyzes the possible benefits of digital platforms for mental health of youth.

Methods This study has applied observation and inquiry methods to generate knowledge regarding the possible benefits that digital platforms provide to society's youth.

Findings The findings show that digital platforms are being utilized to provide the skills that youth need, irrespective of rural and urban areas and rich and poor. They have significantly contributed to enriching societies where youth are the main ingredients.

Implications It provides significant insight to the nation that digital platforms facilitate accessibility for all, including mental health experts and mobile application developers, to direct their efforts toward youth development, skills, and knowledge without bearing separation costs.

Keywords *mobile application, mental health, youths*

E-Learning In Higher Education In Management: Enhancing Students' Satisfaction

Mr. Sambed Timilsina

Email: timilsinasambed@gmail.com

Sagar Thapa

Email: thapasir509@gmail.com

Rohit Prasad Pandey

Email: rp13108@gmail.com

Abstract

Thrust Management education supported and driven by modern technology has become a reality. Technology tools, techniques, and management subjects must be combined to improve the teaching and learning environment.

Objective Examining the relationship and contribution between e-learning and student performance in university-level management education is the objective of this study.

Method The paper is based on a survey and interview through a structured questionnaire. The data of 298 respondents were processed and analyzed, relying on descriptive statistics, Pearson correlation analysis, and regression analysis to explore the relationship between the dependent and independent variables.

Finding The result is that video conferencing guarantees real-time interaction with peers and instructors, and podcasts and webinars provide on-demand learning and expert insights. Likewise, live workshops encourage the development of practical skills and student interaction. Among the other tools mentioned, most students were gratified with the digital library for better performance. E-learning tools have a statistically significant effect on student performance, and these tools are part of the e-learning ecosystem as a whole.

Implications The study supports the fact that technologies are instrumental in management education, and integrating these variables in educational diaspora significantly enhances students' satisfaction and learning outcomes

Keywords *e-learning, video conferencing, podcast, webinar and live workshop*

Effectiveness of Appraisal Interviews: A Systematic Literature Review

Sarala Karki

Email: sarala@texascollege.edu.np

Abstract

Thrust Performance appraisal interviews are a crucial component of performance management systems in the organization to get maximum contributions from human resources.

Objectives Analyze the effectiveness of appraisal interviews in the service-sector organization.

Method Extensive reviews of the studies from 2010 to 2024 were done concerning their themes on communication quality, feedback delivery, employee perception, and organizational outcomes.

Findings The findings suggest that well-structured appraisal interviews, focused on constructive feedback and employee involvement, are catalysts to job satisfaction and performance.

Implications The study recommends that organizations enhance appraisal practices to receive the optimum contribution from human resources.

Keywords *performance appraisal interview, communication quality, performance appraisal system*

Mitigating Prompt injection attacks in AI fields

Saroj Ghimire

Email: sarojghimire0214@gmail.com

Abstract

Thrus Prompt injection attacks are a growing concern in cybersecurity, especially with the increasing use of AI-driven applications, including large language models (LLMs) and chatbots. These attacks exploit inherent vulnerabilities in AI systems, necessitating the development of robust strategies to detect and mitigate such adversarial threats.

Objectives This research is to explore methods to enhance the resilience of AI models against prompt injection attacks in cybersecurity applications.

Method By investigating adversarial machine learning techniques, the study was designed with a comprehensive framework incorporating input sanitization, reinforcement learning from human feedback (RLHF), and prompt filtering.

Findings Mitigation strategies improve the robustness of AI systems, enabling them to detect, prevent, and adapt to evolving adversarial threats.

Implications The study's findings are expected to advance secure and reliable AI-driven cybersecurity solutions, particularly in intrusion detection, malware classification, and automated threat mitigation.

Keywords *adversarial machine learning, prompt injection attacks, cybersecurity*

The Effect of Internal Organization Communication on The Performance of The Banks of Nepal

Saugat Subedi

Email: subedisaugat55@gmail.com

Thrust Within an organization, there is a belief that communication helps employees survive and develop, and their functions are primarily affected by it.

Objectives This study aims to assess the role of intra-organizational communication in improving Nepali banks' performance in planning goods and service production and customer satisfaction.

Methods The study employed descriptive and causal-comparative research designs. Data were collected from 203 respondents using structured questionnaires distributed via Google Forms. Analytical tools such as correlation, regression analysis, and ANOVA were utilized to test hypotheses and interpret findings.

Findings The study applied regression analysis heavily to conclude the study. Regression analysis revealed that internal communication ($\beta = 0.486$, $p < 0.05$) and functional coordination ($\beta = 0.262$, $p < 0.05$) significantly influence bank performance. Employee motivation also demonstrated a moderate impact ($\beta = 0.146$, $p < 0.05$). Customer orientation, however, showed minimal influence on performance ($\beta = 0.064$, $p > 0.05$).

Implications The study highlights internal communication as the most critical factor for enhancing bank performance. Recommendations include prioritizing internal communication strategies and fostering inter-functional coordination to improve organizational outcomes.

Keywords *internal marketing, Nepalese banks, internal communication, employee motivation, organizational performance*

The Evaluation of Satisfaction of Businesses with the Third- Party Logistics Service Quality in the Context of Nepal

Suman Bhattarai

Email: sumanbhattarai24@gmail.com

Abstract

Thrust It is seen that the business process is completed only after involving varied parties, often called third parties, in different segments named inward and outward logistics.

Objectives The objective is to evaluate the level of effectiveness received from different parties involved in the business processes.

Methods The data collection is based on primary sources from the different businesses in Nepal.

Finding The results show that logistics service speed (the speed that the party involved makes) is the most important determinant of customer satisfaction, and risk perception is the least important.

Implications It suggests that different parties complete the business process within a stipulated period by following examples of the best business processes and the high satisfaction they receive from them.

Keywords *third party logistics, logistics service quality, customer satisfaction, evaluation*

Education for Lean and Lean for Education: What's Next?

Sweta Simkhada

Email: sweta.simkhada@hotmail.com

Abstract

Thrus: Research, innovation, teaching, and learning are related in any education that demands lean(innovative) principles while enhancing quality with the help of total quality management based on quality processes and products.

Objectives The primary aim of this study is to discover the relationships between creativity, innovation, and the education system. It also aims to find ways to expand new academic knowledge and its components so that they can be acknowledged and internalized into mainstream education systems.

Methods In-depth study of earlier researchers through online sites, formal and informal interviews of professors of the higher education sector, and administration of key informant questionnaires to the distinguished personalities associated with higher education form the methodologies applied by this study. The focus of interviews during the study period centered around the broad prospectives of teaching, research, learning, and innovation and their uses, locally and globally.

Findings The study states that education dynamics are flexible and multidimensional. It also says that individuals, knowledge sectors, and institutions—both knowledge imparting and regulating—must have an enduring attitude and develop abilities toward ongoing research and innovations without delay for quality higher education.

Implications Coping with new changes is inevitable. The higher education sector cannot be an exception to this phenomenon. This study's message stipulates that the stock of knowledge evidenced by scientific research and innovations should be welcomed and that our education system should create due space without damaging our value system.

Keywords *education, dynamics, research, change*

Vayu: Integrating Iot And Remote Sensing For Urban Air Quality Monitoring In Nepal

Krishna Tharu

Email: krishna13104@gmail.com

Abstract

Thrust Urban Air Quality regulation and its execution are essential tasks that foster a more comprehensive understanding of urban air quality, empowering communities and policymakers alike to address this pressing environmental challenge.

Objective The study explores the devices and operational practices of air quality measurement.

Methods The method is observing the devices and systems used in air quality measurement.

Findings The resulting map-based interface allows individuals to check air quality before heading outdoors. It is also valuable for government authorities, providing actionable insights to guide pollution control measures. Yet the government needs to series on respiratory health issues and the consequences there on.

Implications This research helps to alleviate serious respiratory health risks to urban residents. For example, Kathmandu air quality: (1) AQI: 175 (Unhealthy) against $89.6 \mu\text{g}/\text{m}^3$, (2) fine particles is PM_{2.5}: $89.6 \mu\text{g}/\text{m}^3$ against recommended $15 \mu\text{g}/\text{m}^3$ (3) The forecast time of 04:45 - 19:45 indicates that during this period, the AQI will range between 175 and 130. The public has to limit outdoor time, use N95/KN95 masks, Close windows & use air purifiers, stay hydrated, and monitor symptoms

Keywords *IoT devices, GPS modules, real-time air quality across urban landscapes*

Expanding Fintech in Nepal: Interoperability for Financial Services Beyond Payments

Diwakar Baskota

Email: diwakar.baskota@tcmit.edu.np

Objective This paper aims to find the areas for sizeable heterogeneous fintech applications beyond the payments.

Methods The research findings were based on interviews about the regulatory guidelines of fintech use and possible application. The participants for interviews were stakeholders from Banks and insurance companies.

Findings The findings from the paper revealed challenges like segregated platforms, insufficient collaboration, and data security concerns. Opportunities include expansion of interoperability into lending, investments, insurance, and other finance companies with an Open API approach, safeguard data transmission, and improved regulatory framework to promote innovation.

Implications This study drew the attention of the executives of financial sectors to explore the ways to use financial technology widely beyond payments.

Keywords *fintech, interoperability, open API, data security, digital literacy*

Performance Optimization in AI-Powered Web Accessibility Tools: A Framework for Efficient Real-Time Adaptations for Neurodivergent Users

Ashish Gautam

Email: phd.ashishgautam@lincoln.edu.my

Abstract

Thrust people with conditions such as autism, ADHD, dyslexia, Tourette syndrome, and other cognitive or learning differences can benefit by optimizing their performance through AI-powered web.

Objective This paper aims to measure the effectiveness of the performance of Neurodivergent Users from real-time AI-Powered Web Accessibility.

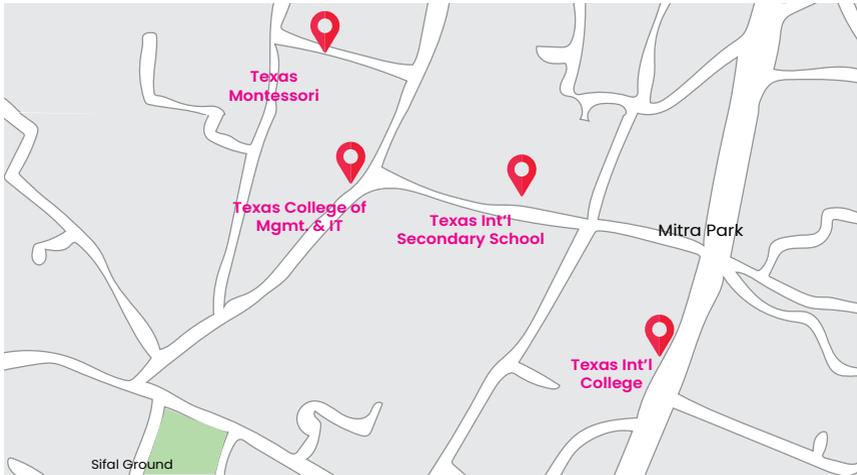
Methods the method adopted by this study is the observation of several Neurodivergent Users while they are using AI-Powered Web Accessibility Tools and noting down their sensory overload, cognitive strain, and navigation of complicated interfaces.

Findings The research is still in progress, and conclusions have yet to be generated through dissemination and confirmation.

Implications It opened the interest of future researchers in Neurodiversity and caretakers of Neurodivergent people.

Keywords *neurodivergent, AI-powered web accessibility tools*

LOCATION MAP



...for a complete human being
Texas
 Montessori School
 Siphah, Chabahil

PG / NURSERY
 LKG / UKG

...for a complete human being
Texas
 Int'l Secondary School
 Mitrapark, Chabahil

Grade I-XII

...for a complete human being
Texas
 International College
 Mitrapark, Chabahil

BSc (CSIT) / BCA
 BBM / BBS / BA
 BSW / MBS

Your Partner for Excellence
Texas
 College of Management & IT
 Siphah, Chabahil

BIT / BCS (NT & CS)
 BBA / BHM
 MBA / MCS
 MBA in HM / HR

