

THE 6TH INTERNATIONAL CONFERENCE ON DATA ANALYTICS FOR BUSINESS AND INDUSTRY



29-30 OCTOBER 2025, KINGDOM OF BAHRAIN

ORGANIZED BY



IN COLLABORATION WITH



TECHNICALLY SPONSORED BY



TRACKS

UPDATED VERSION

BIG DATA

DATA MINING

E-COMMERCE

OPTIMIZATION

DATA SCIENCE

RISK ANALYSIS

DATA ANALYTICS

CLOUD COMPUTING

SECURITY ANALYSIS

DATA VISUALIZATION

BUSINESS ANALYTICS

FINANCIAL ANALYTICS

INSURANCE STATISTICS

PATTERN RECOGNITION

PROJECT MANAGEMENT

BUSINESS INTELLIGENCE

WOMEN IN DATA SCIENCE

STATISTICS IN IT INDUSTRIES

SUPPLY CHAIN MANAGEMENT

APPLICATIONS OF DATA SCIENCE

ENERGY SYSTEMS AND EFFICIENCY

QUALITY CONTROL AND RELIABILITY

IMAGE ANALYSIS AND TOMOGRAPHY

STATISTICAL AND FINANCIAL MODELING

BIOINFORMATICS & HEALTH POLICY DECISION MAKING

ARTIFICIAL INTELLIGENCE FOR BUSINESS AND INDUSTRY



CONFERENCE MICROSOFT TEAMS



DAY1: WED 29 OCTOBER 2025

08:00 – 09:00

[LINK](#)

TECHNICAL SUPPORT

09:00 – 09:10

09:10 – 09:20

09:20 – 09:30

09:30 – 09:40

OPENING CEREMONY

WELCOMING NOTES

DR. HESSA AL-JUNAID

VICE PRESIDENT FOR ACADEMIC AFFAIRS

DR. ATHRAA ALMOSAWI

DEANSHIP OF GRADUATE STUDIES & SCIENTIFIC RESEARCH

DR. ALI SALMAN BIN-THANI

DEAN OF COLLEGE OF SCIENCE, REPRESENTATIVE OF STEERING COMMITTEE

09:40 – 10:10

[LINK](#)

KEYNOTE SPEECH#1



A NEW DISTANCE BETWEEN MULTIVARIATE CLUSTERS OF VARYING LOCATIONS, ELLIPTICAL SHAPES, & DIRECTIONS

PROF. ALI HADI

AMERICAN UNIVERSITY IN CAIRO, EGYPT

10:10 – 10:40

[LINK](#)

KEYNOTE SPEECH#2



ARTIFICIAL INTELLIGENCE INNOVATIONS FOR BETTER MEDICAL AND HEALTHCARE SOLUTIONS

DR. SAEED SHARIF

UNIVERSITY OF EAST LONDON, UNITED KINGDOM

10:40 – 11:00

BREAK

11:00 – 13:00

[LINK](#)

WORKSHOP#1



DATA VISUALIZATION WITH TABLEAU

MS. NAEEMA ALAZEMI

MASTER STUDENT, UNIVERSITY OF BAHRAIN

13:00 – 14:00

BREAK

DAY1: WED 29 OCTOBER 2025

14:00 – 16:00

[LINK](#)

WORKSHOP#2



REAL-TIME ANALYTICS FOR BUSINESS DECISION-MAKING USING STREAM DATA PROCESSING

MR. GANESH NERELLA

Database Administrator, Database & Cloud Architect, Cybersecurity
Compliance Expert, Automation Strategist, Risk Mitigation Strategist

16:00 – 17:30

BREAK

17:30 – 18:00

[LINK](#)

MEETING



informatics BAHRAIN INTERNATIONAL GROUP 

ANNUAL MEETING

DR. SAWSAN HILAL

HOD OF MATHEMATICS, UNIVERSITY OF BAHRAIN

18:00 – 18:30

[LINK](#)

KEYNOTE SPEECH#3



NEUROEVOLUTION: HARNESSING CREATIVITY IN AI AGENT DESIGN

PROF. RISTO MIIKKULAINEN

THE UNIVERSITY OF TEXAS AT AUSTIN

END OF DAY1

DAY2: THU 30 OCTOBER 2025

08:00 – 09:00	TECHNICAL SUPPORT											
09:00 – 09:20	SESSION A1		SESSION A2		SESSION A3		SESSION A4		SESSION A5		SESSION A6	
09:20 – 09:40												
09:40 – 10:00												
10:00 – 10:20												
10:20 – 10:40												
10:40 – 11:00												
11:00 – 11:10	BREAK											
11:10 – 11:30	SESSION B1		SESSION B2		SESSION B3		SESSION B4		SESSION B5		SESSION B6	
11:30 – 11:50												
11:50 – 12:10												
12:10 – 12:30												
12:30 – 12:50												
12:50 – 13:10												
13:10 – 13:20	BREAK											
13:20 – 13:40	SESSION C1		SESSION C2		SESSION C3		SESSION C4		SESSION C5		SESSION C6	
13:40 – 14:00												
14:00 – 14:20												
14:20 – 14:40												
14:40 – 15:00												
15:00 – 15:20												
15:20 – 15:30	BREAK											
15:30 – 15:50	SESSION D1		SESSION D2		SESSION D3		SESSION D4		SESSION D5		SESSION D6	
15:50 – 16:10												
16:10 – 16:30												
16:30 – 16:50												
16:50 – 17:10												
17:10 – 17:30												
17:30 – 18:00	BREAK											
18:00 – 18:30	LINK	CLOSING REMARKS										

**CONFERENCE
PARALLEL SESSIONS
DAY2: 30 OCTOBER 2025**

**SESSION A1
09:00 – 11:00**

**6TH INTERNATIONAL CONFERENCE ON DATA
ANALYTICS FOR BUSINESS AND INDUSTRY**

PAPER 1

**DEEP LEARNING WITH LSTM FOR AGRICULTURAL COMMODITY PRICE PREDICTION IN INDONESIA:
FROM DATA COLLECTION TO VISUAL FORECASTING**

**Yan Watequlis Syaifudin; Alvina Marcy Syakirah Permata; Sujarwo Sujarwo; Triana Fatmawati; Pramana
Yoga Saputra; Indrazno Siradjuddin; Yudi Widhiyasana; Yuri Ariyanto; Abiyasa Putra Prasetya**

PAPER 2

**A NOVEL MACHINE LEARNING APPROACH FOR PREDICTING DIABETIC PATIENT
READMISSIONS IN THE HOSPITALS**

Nashiha Sulthana G; Ananth kumar Tamilarasan; Saikat Gochhait; Shyamala Devi R; Zafrul Allam

PAPER 3

**BRIDGING THE GAP IN BRUCELLOSIS CONTROL: AN AI-DRIVEN APPROACH
USING MACHINE LEARNING FOR EARLY DETECTION IN ENDEMIC REGIONS**

**Hoor E Jannat; Tonmoy Kumar Das; Mokammel Hossain Tito; Tofayel Ahmad; Jubayer Ahmed; Md.Abu
Borhan Siddky Rahim; Afzal H Asif; Md Arifuzzaman; Md Aktaruzzaman; U Gazder; Qaisar Mahmood**

PAPER 4

A COMPARATIVE ANALYSIS OF SOCIAL MEDIA PLATFORMS MARKETING
FOR MICRO AND SMALL BUSINESSES IN BAHRAIN

Elsayed Elamir

PAPER 5

MOMENTUM-BASED CRYPTOCURRENCY TRADING STRATEGY, DATA SYNTHESIS
AND MACHINE LEARNING FOR PREDICTIVE SIGNAL CLASSIFICATION

Maryam AlBahri; Dinesh Chinthaka

PAPER 6

COMPARATIVE CHARACTERISTICS OF FOREIGN TOURISTS INFLOW TO INDONESIA:
A CLUSTERING PERSPECTIVE

Gunawan Gunawan

**CONFERENCE
PARALLEL SESSIONS
DAY2: 30 OCTOBER 2025**

**SESSION A2
09:00 – 11:00**

**6TH INTERNATIONAL CONFERENCE ON DATA
ANALYTICS FOR BUSINESS AND INDUSTRY**

PAPER 1

HANDWRITTEN MORSE CODE RECOGNITION USING CONVOLUTIONAL NEURAL NETWORKS

Jad Abbass; Karthikraj Meda Nagaraja; Sujay Grama Suresh Kumar

PAPER 2

**ANALYSIS OF ACOUSTIC FIRE EXTINCTION: AN INTEGRATED APPROACH
USING CAUSAL PATH MODEL AND ENSEMBLE LEARNING**

Soumyadeep Dhar; Akansha Agarwal; Banerwar Sarker; Jhareswar Maiti

PAPER 3

WHAT SHE SIGNS THEY MINE: QUANTIFYING THE GAPS IN FEMTECH PRIVACY POLICIES

Vinuvi Nuhansa; Indra Mahakalanda; Uvini Ranaweera; Rasandie Krishthogu

PAPER 4

A KNOWLEDGE GRAPH AND LARGE LANGUAGE MODEL APPROACH
FOR DETECTING OVERCLAIMS IN HALAL CERTIFICATION

Ganendra Aby Bhamakerti; Nur Aini Rakhmawati

PAPER 5

THE EFFECT OF DATA DISTRIBUTION ON FEDERATED LEARNING STABILITY:
EXPERIMENTAL INSIGHTS WITH FEDAVG AND FEDPROX

Arzu Sevinç; Fatih Özyurt

PAPER 6

SYNTHESIS OF THE OPTIMAL CONTROLLER FOR FMSS MODELED WITH ES3PR PETRI NETS

Mowafak Hassan Abdul-Hussin

**CONFERENCE
PARALLEL SESSIONS
DAY2: 30 OCTOBER 2025**

**SESSION A3
09:00 – 11:00**

**6TH INTERNATIONAL CONFERENCE ON DATA
ANALYTICS FOR BUSINESS AND INDUSTRY**

PAPER 1

**ROBUSTNESS OF HILLARY'S QUANTUM SECRET SHARING PROTOCOL
UNDER RANDOM TELEGRAPH NOISE**

Esraa Salem Elkhoully; Nasser Metwally; Salama Ali

PAPER 2

**ENHANCING CREDIT SCORING ACCURACY USING MACHINE LEARNING AND
ALTERNATIVE DATA SOURCES IN A CREDIT CARD COMPANY IN BAHRAIN**

Mohamed Yusuf Al-shakhoori; Abdulrahman Mohamed A.Shakh; Minwir Al-Shammari

PAPER 3

ARABIC LANGUAGE IMAGE CAPTIONS GENERATION USING A MACHINE LEARNING HYBRID MODEL

Hooreya Khunji; Nabil Hewahi

PAPER 4

**HYBRID PARALLEL QUICKSORT: LEVERAGING MPI AND OPENMP
FOR SCALABLE SORTING OF LARGE-SCALE DATASETS**

Naeema Salah Alazemi; Sara Alsoudi; Maha Mohammed Ali; Abdulla Alqaddoumi

PAPER 5

A BIG DATA ARCHITECTURE FOR SMART BUS SYSTEM

Mohd Azri Rosli; Nor Azuana Ramli; Nor Izzati Jaini

**CONFERENCE
PARALLEL SESSIONS
DAY2: 30 OCTOBER 2025**

**SESSION A4
09:00 – 11:00**

**6TH INTERNATIONAL CONFERENCE ON DATA
ANALYTICS FOR BUSINESS AND INDUSTRY**

PAPER 1

NEWS UNDER THE MICROSCOPE: EXPOSING FAKES WITH CLASSIC MACHINE LEARNING

Naeema Salah Alazemi; Nabil Hewahi

PAPER 2

**EMERGING TRENDS IN SUSTAINABLE FINANCE: A BIBLIOMETRIC REVIEW
USING DATA ANALYTICS AND TOPIC MODELING**

Abu Bashar; Mustafa Raza Rabbani; Mohammad Noor Alam; Madiha Kiran

PAPER 3

**EXPLORING SUSTAINABILITY AND COMPETITIVENESS IN MALAYSIA'S GREEN BUSINESS LANDSCAPE
THROUGH BIBLIOMETRIC AND TOPIC MODELING ANALYSIS**

**Mulyani Karmagatri; Livia Janice Widiapradja; Rifky Muhammad Zain; Hansel Verrell;
Rachmi Kumala Widyasari; Adrianto Adrianto; Hazmilah Hasan**

PAPER 4

A COMPARATIVE STUDY OF MACHINE LEARNING MODELS
FOR ENROLLMENT PREDICTION IN HIGHER EDUCATION INSTITUTIONS

Marlon Juhn Marsado Timogan; Cristina Dumdumaya

PAPER 5

A DATA-DRIVEN APPROACH FOR THESIS EXAMINER RECOMMENDATION

Dedy Suryadi; Sylviana Gunawan; Ceicalia Tesavrita

**CONFERENCE
PARALLEL SESSIONS
DAY2: 30 OCTOBER 2025**

**SESSION A5
09:00 – 11:00**

**6TH INTERNATIONAL CONFERENCE ON DATA
ANALYTICS FOR BUSINESS AND INDUSTRY**

PAPER 1

**SPATIO-TEMPORAL ANALYSIS OF TRAFFIC ACCIDENTS IN BAHRAIN
USING GEOGRAPHIC INFORMATION SYSTEM**

U Gazder

PAPER 2

**COMPARATIVE ANALYSIS OF MACHINE LEARNING MODELS
FOR HANDWRITTEN DIGIT RECOGNITION USING CRISP-DM**

Naeema Salah Alazemi; Maha Mohammed Ali; Sara Alsoudi; Ahmed Zeki

PAPER 3

IMAGE CAPTIONING WITH CNN-TRANSFORMER ARCHITECTURES: A CLIP-BASED FUSION APPROACH

Maha Mohammed Ali; Sara Alsoudi; Nabil Hewahi

PAPER 4

ANALYZING CUSTOMER COMMUNICATION USING DISTILBERT IN CUSTOMER RELATIONSHIP MANAGEMENT SYSTEM

Iklima Ermis Ismail; Anita Hidayati; Euis Oktavianti; Syahrul Rayhansyah; Arfiano Jordhy Ramadhan

PAPER 5

A SIMPLE MODEL OF CHARGING PULSED BATTERY

Asmaa Khalifa Alfehaid; Nasser Metwally; Hajer Khalifa Alfehaid

**CONFERENCE
PARALLEL SESSIONS
DAY2: 30 OCTOBER 2025**

**SESSION A6
09:00 – 11:00**

**6TH INTERNATIONAL CONFERENCE ON DATA
ANALYTICS FOR BUSINESS AND INDUSTRY**

PAPER 1

IOT INTEGRATED DUAL-SIDE WATER PUMPING SYSTEM FOR SUSTAINABLE AGRICULTURE

**Priyanka Elanthakadu Bhaskaran; S Thangavel; Sivamathivanan P; Dharsana S;
Jothika P; Kavyadharshini DP; Vasanth Kumar K P**

PAPER 2

**DECARBONIZING ECONOMIC GROWTH IN SAARC COUNTRIES: A PANEL DATA AND TEXT ANALYTICS
APPROACH TO ENERGY TRANSITION AND NET-ZERO PATHWAYS**

Ahmad Raza; Moonis Shakeel; Mohammad Noor Alam; Raj Bahadur Sharma

PAPER 3

**ENHANCING AIRPORT SECURITY AND USER EXPERIENCE
THROUGH INTEGRATED FACIAL RECOGNITION AND EMOTION ANALYSIS**

Chinmai Aditya Baddepuram; Zainb Dawod; Saeed Sharif

PAPER 4

**FIDS: SCALABLE AND PRIVACY-PRESERVING INTRUSION DETECTION
THROUGH FEDERATED LEARNING**

Mohammad Waseem; Shafiqul Abidin; Adan Ul Abidin; Mohd Mustaqeem

PAPER 5

**ONLINE LEARNING: DRIVEN LOAD BALANCING FOR DISTRIBUTED SDN CONTROLLERS
IN 5G EDGE ENVIRONMENTS**

Pawanpreet Walia; Darpan Anand; Deepak Kumar

**CONFERENCE
PARALLEL SESSIONS
DAY2: 30 OCTOBER 2025**

**SESSION B1
11:10 – 13:10**

**6TH INTERNATIONAL CONFERENCE ON DATA
ANALYTICS FOR BUSINESS AND INDUSTRY**

PAPER 1

COMPARATIVE ANALYSIS OF MACHINE LEARNING MODELS
FOR ANOMALY DETECTION IN IOT NETWORKS

Naeema Salah Alazemi; Maha Mohammed Ali; Sara Alsoudi; Sawsan Hilal

PAPER 2

ARTIFICIAL INTELLIGENCE FOR BUSINESS AND INDUSTRY: A STRATEGIC FRAMEWORK
FOR PEOPLE ANALYTICS IN HUMAN RESOURCE MANAGEMENT

Ashutosh Verma; Abu Bashar; Md Shabbir Alam

PAPER 3

PRECISION AGRICULTURE USING ML FOR IRRIGATION AND FERTILIZER OPTIMIZATION

Revuri Jaswanth; Rakesh kumar Sakthivel; Gayathri N; Saikat Gochhait; Zafrul Allam

PAPER 4

LANGUAGE TRANSLATION WITH HAND GESTURE

Sujatha K; Indumathi G; Santhosh Ravinuthala; Sadvika K; Anusha G; K Shreya

PAPER 5

WHISPER AI AND VITS-DRIVEN PIPELINE FOR MULTIMODAL SPEECH TRANSLATION, VOICE CLONING, AND TEMPORAL ALIGNMENT IN CROSS-LINGUAL AUDIO-VISUAL SYNTHESIS

Sujatha K; Abineshwaran V; Aarthi R; K. S. Chakradhar Danesh

**CONFERENCE
PARALLEL SESSIONS
DAY2: 30 OCTOBER 2025**

**SESSION B2
11:10 – 13:10**

**6TH INTERNATIONAL CONFERENCE ON DATA
ANALYTICS FOR BUSINESS AND INDUSTRY**

PAPER 1

MENU LABELLING AND HEALTH DECISIONS: EYE-TRACKING EVIDENCE TO ADVANCE SDG-3

Reshma Ghorpade; Yagnesh Purohit; VT Rakesh

PAPER 2

DEEPSEEK AI IN HEALTHCARE: REVOLUTIONIZING DIAGNOSIS, TREATMENT, AND MEDICAL EDUCATION

Revuri Jaswanth; Rakesh kumar Sakthivel; Gayathri N; Saikat Gochhait; Zafrul Allam

PAPER 3

ENHANCING MANIFOLD CONVEXITY IN DEEP MRI IMAGE CLUSTERING USING ADVERSARIAL LEARNING

Sawsan Hilal; Nairouz Mrabah; Zyad A Allam; Riadh Ksantini

PAPER 4

ENHANCING PROSTATE CANCER DETECTION USING A HYBRID VOTING CLASSIFIER ON MRI SCANS

**Abdulrahman Abbas Mukhlif; Mohammed M AL-Ani; Israa Faisal Jassam; Huda Lateef;
Ali Muwafaq Shaban Shaban; Ahmed Adil Nafea**

PAPER 5

**LIGHTWEIGHT THERMAL FAULT DIAGNOSIS IN INDUCTION MOTORS:
A COMPARATIVE STUDY OF CNNs AND DEPTHWISE-SEPARABLE CNNs**

Jimmy Palomino-Huilcapi; Mahmoud Kassas; Mohammad A. Abido

**CONFERENCE
PARALLEL SESSIONS
DAY2: 30 OCTOBER 2025**

**SESSION B3
11:10 – 13:10**

**6TH INTERNATIONAL CONFERENCE ON DATA
ANALYTICS FOR BUSINESS AND INDUSTRY**

PAPER 1

**MACHINE LEARNING FOR CLINICAL TEXT CLASSIFICATION
IN ELECTRONIC MEDICAL RECORDS: A REVIEW**

Hasan Abdulla; Fatima Aljazeeri; Nabil Hewahi; Wael M El-Medany

PAPER 2

DESIGN OF THE BAHRAIN PRIMARY HEALTHCARE CENTERS CLINICAL NOTES DATASET

Hasan Abdulla; Nabil Hewahi

PAPER 3

PREVALENCE AND RISK FACTORS OF BOVINE Q-FEVER IN LARGE DAIRY HERDS IN BANGLADESH

**Abdullah A Mamun; Md Z Haque; Farhan Ibne Siddique; MD S Mahmud; Adel Md Kibria;
AKM Anisur Rahman; Md Arifuzzaman; Md. Siddiqur Rahman; U Gazder**

PAPER 4

HEART DISEASE PREDICTION USING DECISION TREE CLASSIFICATION:
A STREAMLIT-BASED CLINICAL TOOL FOR EARLY DETECTION

Apriy Aditya Saputra; Khakam Maruf; Rizal Justian Setiawan; Achmad Ilham Nurgina; Nur Azizah

PAPER 5

EVALUATING THE ROBUSTNESS IN FEDERATED LEARNING FOR MEDICAL IMAGING

Halima Soulb; Ibrahim Guelzim; Badr Hirchoua; Hammadi Nait-Charif

**CONFERENCE
PARALLEL SESSIONS
DAY2: 30 OCTOBER 2025**

**SESSION B4
11:10 – 13:10**

**6TH INTERNATIONAL CONFERENCE ON DATA
ANALYTICS FOR BUSINESS AND INDUSTRY**

PAPER 1

A REVIEW OF MAIZE DISEASE DETECTION: CHALLENGES, LIMITATIONS, AND FUTURE PERSPECTIVES

**Abdulrahman Abbas Mukhlif; Assef Raad Hmeed; Israa Faisal Jassam; Mustafa Adnan Tharthar;
Noor M Jassam; Ahmed Adil Nafea**

PAPER 2

PNEUMONIA DETECTION WITH AI-POWERED IMAGING ANALYSIS

Saeed Sharif; Hamed Balogun; Halima Kure

PAPER 3

**GENERATIVE AI FRAMEWORK FOR IMAGE CAPTIONING OF TOMATO LEAVES
IN PRECISION AGRICULTURE**

Gunjan Thakur; Vandana Mohindru Sood; Amitava Choudhury

PAPER 4

**A SECURE AND EFFICIENT SEARCHABLE ENCRYPTION PROOF-OF-CONCEPT
FOR MEDICAL IMAGES ON STANDARD DATASETS**

Ibrahim Guelzim; Halima Soulb

PAPER 5

**MOBILENETV3-BASED TRANSFER LEARNING AND OPENCV INTEGRATION FOR REAL-TIME FOOD
DETECTION AND CALORIE ESTIMATION ON MOBILE DEVICES**

Apriy Aditya Saputra; Khakam Maruf; Rizal Justian Setiawan; Nur Evirda Khosyati; Nur Azizah

**CONFERENCE
PARALLEL SESSIONS
DAY2: 30 OCTOBER 2025**

**SESSION B5
11:10 – 13:10**

**6TH INTERNATIONAL CONFERENCE ON DATA
ANALYTICS FOR BUSINESS AND INDUSTRY**

PAPER 1

**MULTI-OBJECTIVE SOFTWARE ENGINEERING PROJECT PLANNING
USING AN EVOLUTIONARY ALGORITHM**

Agustín Núñez; Matías Forcelledo; Sergio Nesmachnow; Diego Rossit

PAPER 2

**OPTIMAL DESIGN OF COMPOSITE BRIDGE WITH CONCRETE-FILLED STEEL TUBE
USING ARTIFICIAL BEE COLONY ALGORITHM**

Abdallah Al Faoury; Mona Ismail; Muhammad Ajmal

PAPER 3

**DESIGN OF 3D REINFORCED CONCRETE FRAME WITH FRP REINFORCEMENT BARS
USING GREY WOLF OPTIMIZER (GWO) ALGORITHM**

Husain Ali Ebrahim; Muhammad Ajmal; Mona Ismail

PAPER 4

AUTOMATED DETECTION OF WHEAT GRAIN QUALITY USING YOLO-BASED DEEP LEARNING MODELS

Fatih Özyurt; Nour Baroudi; Esra Yüzgeç Özdemir; İnanç Özgen

PAPER 5

SIMULATING CORRELATED ORDINAL DATA VIA THE MULTIVARIATE STUDENT'S T DISTRIBUTION

Alessandro Barbiero; Asmerilda Hitaj

**CONFERENCE
PARALLEL SESSIONS
DAY2: 30 OCTOBER 2025**

**SESSION B6
11:10 – 13:10**

**6TH INTERNATIONAL CONFERENCE ON DATA
ANALYTICS FOR BUSINESS AND INDUSTRY**

PAPER 1

AN ENHANCED LIGHTWEIGHT KEY SYNCHRONIZATION SCHEME
FOR SECURE IOT COMMUNICATION IN SMART CITIES

AbhdulKalam A; M. Arul Pugazhendhi; Ananth kumar Tamilarasan; Saikat Gochhait; Zafrul Allam

PAPER 2

A DUAL-LAYER HYBRID ENCRYPTION PROTOCOL FOR BAHRAIN GOVERNMENT DATA SECURITY
AGAINST CLASSICAL AND QUANTUM THREATS

Mohamed Ali Alhamry; Wael M El-Medany; Alauddin Yousif Al-Omary

PAPER 3

AI-AUGMENTED INCIDENT RESPONSE FOR CYBERSECURITY CRISIS MANAGEMENT:
LEADERSHIP STRATEGIES AND EMERGING BEST PRACTICES

Adekunle Alabi; Elias Eze; Ameer Al-Nemrat

PAPER 4

**PATCH OR PERISH: COMPREHENSIVE REVIEW OF CHALLENGES
AND STRATEGIES IN VULNERABILITY MANAGEMENT OF IOT DEVICES AND THEIR APIS**

Adedayo A Adediran; Elias Eze; Rawad Hammad; Saeed Sharif; Jeremiah Chukwu; Joy Eze

PAPER 5

**BLOCKTEGRITY: EMPHASIZES THE CORE GOAL OF ENSURING
THE INTEGRITY OF DIGITAL EVIDENCE USING BLOCKCHAIN**

Zafreen Tabassum Eshika; Moinul Islam; Syada Tasmia Alvi; Mujahidul Islam; Fahim Shiraz Avesheak

**CONFERENCE
PARALLEL SESSIONS
DAY2: 30 OCTOBER 2025**

**SESSION C1
13:20 – 15:20**

**6TH INTERNATIONAL CONFERENCE ON DATA
ANALYTICS FOR BUSINESS AND INDUSTRY**

PAPER 1

**WEATHER UNCERTAINTY PREDICTION IN MARINE-BASED CONSTRUCTION PROJECT
USING LONG-SHORT TERM MEMORY (LSTM)**

Muhammad Muaz Amran; Nor Azuana Ramli; Sahimel Azwal Sulaiman

PAPER 2

**ADOPTION OF ARTIFICIAL INTELLIGENCE (AI) BY WORKERS: EXTENDING THEORY
OF PLANNED BEHAVIOUR (TPB) WITH IT KNOWLEDGE AND PRICE VALUE**

Ahmad Bilal Almagribi; Bambang Purnomosidi Dwi Putranto

PAPER 3

FORECASTING INDIA'S CHEMICAL EXPORTS TO LEADING TRADE PARTNERS USING XGBOOST

Mohd Adil; Saba Ismail

PAPER 4

CNN-BIGRU HYBRID MODEL FOR ACCURATE CONSUMER RATING PREDICTION
USING MULTIMODAL DATA

Manpreet Kaur; Anju B. Nandrajog; Abhishek Bhattacharjee; Varinder Singh; Shiva Mehta

PAPER 5

OPTIMIZING GROCERY SHELF DISPLAYS USING A HYBRID CNN-RANDOM FOREST MODEL
FOR ENHANCED RETAIL PERFORMANCE

Anju B. Nandrajog; Sahil Nayyar; Amritpal Kaur; Abhishek Bhattacharjee; Shiva Mehta; Sargam Sargam

**CONFERENCE
PARALLEL SESSIONS
DAY2: 30 OCTOBER 2025**

**SESSION C2
13:20 – 15:20**

**6TH INTERNATIONAL CONFERENCE ON DATA
ANALYTICS FOR BUSINESS AND INDUSTRY**

PAPER 1

A MAXIMALLY PERMISSIVE DESIGN CONTROLLER OF FMSS MODELED WITH S4PR PETRI NETS

Mowafak Hassan Abdul-Hussin

PAPER 2

**THE CRISP FRAMEWORK: ENHANCING AI EXPLAINABILITY THROUGH CONTEXT-AWARE PROMPTS
FOR CLEARER AND MORE INTERPRETABLE RESPONSES**

Yvonne C. Jegede; Dorcas A. Addo; Atef Shalan

PAPER 3

**ENHANCING RECOMMENDER SYSTEMS WITH GRAPHSAGE:
A GRAPH-BASED APPROACH TO CUSTOMER-PRODUCT MODELING**

Dorcas A. Addo; Atef Shalan

PAPER 4

CONTROL TRANSITIONS PETRI NETS BY S3PR AUTOMATIC FMSS MODELS SYNTHESIS

Mowafak Hassan Abdul-Hussin

PAPER 5

CAMPUS SAFETY RANKING USING CLERY ACT REPORTS AND
MULTI-LAYER PERCEPTRON REGRESSION

Walaa Abo Elenin; Lei Chen; Atef Shalan; Yiming Ji

**CONFERENCE
PARALLEL SESSIONS
DAY2: 30 OCTOBER 2025**

**SESSION C3
13:20 – 15:20**

**6TH INTERNATIONAL CONFERENCE ON DATA
ANALYTICS FOR BUSINESS AND INDUSTRY**

PAPER 1

**ADOPTION OF CHATGPT IN HIGHER EDUCATION USING AN EXTENDED UTAUT MODEL
AMONG GENERATION Z IN MANILA**

**Christopher Joshua Leksana; Sudip Wagle; Lourdes Lasian; Lianna Wijaya;
Kartika Aprilia Benhardy; Hardiyansyah Hardiyansyah**

PAPER 2

**DOES FINTECH DRIVE A SUSTAINABLE FUTURE? AN LDA-BASED EXPLORATION OF ETHICAL
AND GREEN FINANCIAL INNOVATION**

Mustafa Raza Rabbani; Irfanullah Khan; Abu Bashar; Md Shabbir Alam

PAPER 3

**ENHANCING CUSTOMER RELATIONSHIP MANAGEMENT SYSTEM USING LARGE LANGUAGE MODEL
AND KEY PERFORMANCE INDICATOR DASHBOARD**

Iklima Ermis Ismail; Euis Oktavianti; Anita Hidayati; Arfiano Jordhy Ramadhan; Syahrul Rayhansyah

PAPER 4

APPLICATION OF THE BENEISH M-SCORE MODEL FOR IDENTIFYING FINANCIAL FRAUD AND EARNINGS MANAGEMENT IN REAL ESTATE FIRMS IN SAUDI ARABIA AND BAHRAIN

Ali Alobaid; Ahmed Naser; Gagan Kukreja

PAPER 5

THE IMPACT OF AUDIT COMMITTEE CHARACTERISTICS AND AUDIT QUALITY ON FIRM PERFORMANCE: EVIDENCE FROM THE MATERIALS SECTOR IN SAUDI ARABIA

Ahmed Naser; Ali Alobaid; Gagan Kukreja

**CONFERENCE
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**SESSION C4
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**6TH INTERNATIONAL CONFERENCE ON DATA
ANALYTICS FOR BUSINESS AND INDUSTRY**

PAPER 1

HIERARCHICAL REINFORCEMENT LEARNING FOR
SCALABLE COMBINATORIAL OPTIMIZATION IN LOGISTICS

Prashanth Chevva

PAPER 2

ARTIFICIAL INTELLIGENCE FOR FRAUD DETECTION: ITS INFLUENCE ON TRANSACTION SECURITY
AND CONSUMER DIGITAL LITERACY IN E-COMMERCE

Nidhi Agarwal; Gagan Kukreja

PAPER 3

OIL SHOCKS, GLOBAL GEOPOLITICAL RISK, AND MARKET EFFICIENCY:
THE CASE OF THE STRAITS TIMES INDEX

Bui Thanh Khoa; Tran Trong Huynh

PAPER 4

**REASSESSING VENTURE CAPITAL'S ROLE IN IPO OUTCOMES: A HYBRID MACHINE LEARNING
AND ANALYTICAL FRAMEWORK USING EVIDENCE FROM INDIA**

Bhuyashi Talukdar; Rudra P Pradhan

PAPER 5

**OPEN-SOURCE LORA-BASED REMOTE TRANSMISSION UNIT FOR
IOT-ENABLED FLOOD MONITORING AND EARLY WARNING**

Joshymar Echeverria-Ortiz; Jimmy Palomino-Huilcapi; Mahmoud Kassas

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PAPER 1

**DEVELOPING A STRUCTURAL MODEL FOR EMPATHETIC E-COMMERCE CUSTOMER EXPERIENCES:
USING ISM & MICMAC ANALYSIS**

Abu Bashar; Sherif Attia Badran; Irfanullah Khan; Mohammad Noor Alam; Mohammad Nadeem Akhtar

PAPER 2

HYBRID BLOCKCHAIN TECHNOLOGY MODEL FOR TOURIST LOYALTY PROGRAMS

Inayatulloh Inayatulloh

PAPER 3

**THE IMPLEMENTATION OF A BLOCKCHAIN CONSORTIUM TO ENHANCE COORDINATION
IN TIME DEPOSITS INVESTMENT**

Inayatulloh Inayatulloh

PAPER 4

HOW INFLUENCERS AFFECT BEAUTY PURCHASES UNDER SCARCITY CONDITIONS:
WHEN BEAUTY CAN'T WAIT

Nasywa Laffaiza Widyaputri; Aryo Bismo

PAPER 5

EXPLORING EFFICIENT HARDWARE FOR AI ACCELERATION IN TINYML

Ahmad Shraideh; Mahmoud Saleh Masadeh

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PAPER 1

**AI-DRIVEN MARKETING TRANSFORMATION:
INSIGHTS FROM BIBLIOMETRIC MAPPING AND NETWORK ANALYSIS**

Abu Bashar; Mariam Juma; Hatem Alsridi; Asma Malallah

PAPER 2

**UNDERSTANDING POSTGRADUATE STUDENTS' SAVING INTENTION IN ISLAMIC BANKS:
THE MODERATING ROLE OF SERVICE QUALITY**

Ahmad Bilal Almagribi; Tri Hidayati; Abdul Helim; Itsla Yunisva Aviva; Nurul Wahdah

PAPER 3

DESIGN AND LAUNCH OF SOLID PROPELLANT REUSABLE ROCKET

**Reel Mohamed Ahmed; Yousef Salman; Karan Anoop Whabi; Sharul Sham Dol;
Mohammed Alavi; Ahmad Al Ramahi**

PAPER 4

A MULTIOBJECTIVE EVOLUTIONARY ALGORITHM FOR THE CROP ROTATION PLANNING PROBLEM

Luciano Carrasco; Sofía Torres; Sergio Nesmachnow; Diego Rossit

PAPER 5

DESIGNING ADAPTIVE USER INTERFACES FOR ELDERLY USERS IN SMART HOMES:
A SYSTEMATIC LITERATURE REVIEW

Zainab Almahafdha; Shaikha Hasan; Wael M El-Medany

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PAPER 1

**ANALYZING FACTORS INFLUENCING INDONESIAN AIRLINE PASSENGERS' INTEREST IN
UPSELLING ACCEPTANCE FOR BUSINESS CLASS SEAT PURCHASES**

Rizal Justian Setiawan; Khakam Maruf; Darmono; Fatimatuzzahro; Nur Azizah; Tamara Kartika

PAPER 2

**INTEGRATING ENSEMBLE LEARNING AND MULTI-CRITERIA DECISION ANALYSIS FOR URBAN
RESTAURANT SITE SELECTION OPTIMIZATION: EVIDENCE FROM DUBAI**

Zahra Radhi A. Salman; Ahmed Zeki

PAPER 3

**LEVERAGING GENERATIVE AI TO ADVANCE TECHNOLOGY-BASED STARTUP
INCUBATION AND SOCIETAL PROGRESS**

Mohd Tabrej Alam

PAPER 4

**A SUPERVISED MACHINE LEARNING-BASED GRP PREDICTIVE MODELING
FOR MEDIA PLANNING OPTIMIZATION**

Mayuni C Wijesinghe; Indra Mahakalanda; Prasanga Jayathunga

PAPER 5

**A BIBLIOMETRIC ANALYSIS OF EMPLOYEE ATTRITION PREDICTION
USING MACHINE LEARNING METHODS**

Fawzah Battal Alharbi; Minwir Al-Shammari

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PAPER 1

**FOMO, LIVESTREAMING, AND SOCIAL INFLUENCE:
DRIVERS OF IMPULSE BUYING IN SOCIAL COMMERCE**

Bui Thanh Khoa; Nguyen Duy Phuong

PAPER 2

HYBRID AI MODELS FOR DYNAMIC PRICING IN E-COMMERCE PLATFORMS

Dr Mohammad Nasar; Mohammad Abu Kausar

PAPER 3

**THE ROLE OF AI CHATBOTS IN HANDLING SERVICE FAILURES
AND USER SATISFACTION IN E-COMMERCE**

Windy Chinthya Chandra; Angelly Julianty Azhar; Muhammad Dhandi Dharma; Yuniarty Yuniarty

PAPER 4

THE INFLUENCE OF SOCIAL MEDIA USAGE AND EWOM ON PURCHASE INTENTION AND CUSTOMER LOYALTY WITH FASHION INDUSTRY BRAND REPUTATION AS MEDIATOR

Yuniarty Yuniarty; Aryo Bismo; Hartiwi Prabowo; Jenny Ohliati; Noe Enriquez

PAPER 5

GAMIFICATION IN METAVERSE: THE CONSUMER & BRAND RELATIONSHIP MODEL

Mariam Juma; Abu Bashar; Hatem Alsridi; Asma Malallah

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PAPER 1

FROM TRANSACTIONS TO ENGAGEMENT: THE MARKETING IMPACT OF
DIGITAL PAYMENT INNOVATION IN RETAIL

Waleed A.Aziz

PAPER 2

TRUST, NEGOTIATION, AND SKILL ACQUISITION IN SOCIAL COMMERCE:
EVIDENCE FROM FACEBOOK MARKETPLACE

Ahmed Al-sa'di; Richa Panjabi; Swati Puri

PAPER 3

TRACING THE EMOTIONAL PATHWAYS OF FACEBOOK MARKETPLACE

Ahmed Al-sa'di; Swati Puri; Richa Panjabi

PAPER 4

**IDENTIFYING THE CAUSE OF FOOD WASTE IN ONLINE FOOD DELIVERY SERVICES
AMONG YOUNG CONSUMERS IN BANYUMAS, INDONESIA**

Silfia Faradisa; Fauzan Romadlon; Rosita Dewi Permatasari

PAPER 5

**DETERMINANTS OF INDONESIAN CONSUMERS' INTEREST IN USING ONLINE FOOD DELIVERY
SERVICE APPS: AN EXTENDED THEORY OF PLANNED BEHAVIOR PERSPECTIVE**

**Rizal Justian Setiawan; Khakam Maruf; Rina Astini; Ami Pujiwati; Nur Azizah; Fatimatuzzahro;
Amna Rusmala; Viola Indriana Sofie; Nur Evirda Khosyati**

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PAPER 1

FINANCIAL STATEMENT FRAUD DETECTION IN THE AUTOMOBILE SECTOR:
EMPLOYING THE BENEISH MODEL

Fatima Harun; Latifah Alajmi; Gagan Kukreja

PAPER 2

THE INFLUENCE OF BANK CREDIT ON ECONOMIC GROWTH: EVIDENCE FROM ALGERIA

Ala Fathi Assi; Abdirisag Mohamed Abdullahi

PAPER 3

FINANCE ANALYTICS FOR SMES IN EMERGING MARKETS: FROM DASHBOARDS TO GENERATIVE AI

Alexey Nuzhnyy

PAPER 4

AN ANALYSIS OF PERFORMANCE OF IPOs RETURN AFTER LISTING: AN EVIDENCE OF NSE

Santosh Kumar; Gagan Kukreja; Shalini Srivastav

PAPER 5

INTERPRETING THE PROFITABILITY PREDICTION MODEL FOR
BAHRAINI PUBLICLY LISTED FIRMS USING SHAP

Jawaher Khaled Alanzi; Minwir Al-Shammari

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PAPER 1

FORECASTING ANALYTICS FOR LEAN SUPPLY CHAIN MANAGEMENT: A SCOPING REVIEW

Rostyslav Pietukhov; Mujthaba Ahtamad

PAPER 2

**OPTIMIZING FOOD BANK LOGISTICS: A MIXED INTEGER LINEAR PROGRAMMING APPROACH
FOR EFFICIENT HUMANITARIAN AID DISTRIBUTION**

Jairo Enrique Parra Herrera; Diego Rossit; Daniel Rossit

PAPER 3

**THE INFLUENCE OF INCREASING FOOD WASTE GENERATION DURING RAMADAN FESTIVAL
IN BANYUMAS, INDONESIA**

Fadilla Zahwa Niamara; Fauzan Romadlon; Wan Nurul Karimah Wan Ahmad

PAPER 4

**FORMULATING RESILIENCE IN HALAL SUPPLY CHAIN: CAPABILITIES ASSESSMENT
USING THE BEST-WORST METHOD**

Harwati, Har

PAPER 5

SUPPLIER SELECTION IN HUMANITARIAN SUPPLY CHAIN- AN INTUITIONISTIC FUZZY APPROACH

Sima Kundu; M Vimala Rani

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PAPER 1

**ASYMMETRIC EFFECTS OF OIL AND GEOPOLITICAL RISK ON INDONESIA'S EQUITY MARKET:
A NONLINEAR ARDL APPROACH**

Tran Trong Huynh; Bui Thanh Khoa

PAPER 2

**CONCLUSION-ORIENTED FEATURE EXTRACTION FROM MASSIVE TEXT CORPORA
USING GENERATIVE AI**

Funke Ajayi; Atef Shalan

PAPER 3

**DETERMINANTS OF E-LENDING APP USAGE: WHAT MOTIVATES USERS,
AND DO DEMOGRAPHICS MATTER?**

**Marycris D Gagap; Jayrhom R. Almonteros; Jessa C Simene; Junrie B. Matias; Stanley Francis L Rufila;
Roy B. Hinayan; Vicente A Pitogo; Joanna Victoria Pitao; Jack Febrian Rusdi**

PAPER 4

TEMPORAL FUSION TRANSFORMER FOR MULTI-HORIZON PROBABILISTIC FORECASTING OF WEEKLY RETAIL SALES

**Santhi Bharath Punati; Sandeep Kanta; Udaya Bhasker Cheerala;
Madhusudan Lanjewar; Praveen Damacharla**

PAPER 5

FROM ISOLATION TO INTEGRATION: ROAD INFRASTRUCTURAL DEVELOPMENT AND ECONOMIC GROWTH OF EASTERN & NORTH-EASTERN STATES OF INDIA

Sumit Oberoi; Pooja Kansra; Gagan Kukreja; Sugandh Arora

