International Conference On
Innovations and Research in Sciences, Technology, Commerce, Business Management, Social Science and Humanities for Sustainable Development

Sponsored by:

Krishi Sanskriti

Dr. G.C. Mishra, Chairman,
S.C. Mishra ITI
(Patron in Chief)

Amit Kumar Principal,
S.C. Mishra ITI
(Organizing Secretary)

Prof. S.K. Jha,
NSIT, New Delhi
(Co-Convener)

Organized by & Conference Venue
Sukh Chandra Mishra Industrial Training Institute, Paktola, Radhi, Darbhanga Bihar, India, PIN–847302
A unit of
"Dr. Govind Chandra Mishra Educational Foundation"

Date

24th and 25th March, 2018

****

Industrial Training Institute

Supported by:

Krishi Sanskriti Publications

Prof. S.K. Acharya,
Department, Agricultural Extension, BCKV
(Chairman)

Dr. Kanjiv Lochan
B.S. College, Lohardaga, Jharkhand
(Convener)

Kavita Singh
(Co-Convener)

Call for Papers and Conference Themes
The Organizers cordially invites Abstracts and Full Research Papers for oral/poster presentation from all over the world to participate/present and publish their research papers in the **International Conference on** *Innovations and Research in Sciences, Technology, Commerce, Business Management, Social Science and Humanities for Sustainable Development* on the following scientific areas for presentations and discussions thereafter.

In Order to achieve holistic development of society role of Academic institutions are very significant, because they impart skill development at early age to the students as ITI type of institutions and Diploma Institutions as well as engineering institutions like IIT's, NIT's and autonomous colleges. In order to acquaint them with the latest happenings around the world, we are organizing two days International conference (academic events) to promote competitiveness as well as expose them with the latest innovations in the field of science & technology.

The details of participation/ Presentation mode are mentioned below:
1. Scientific/technical model (Actual/ proto type) Exhibition with poster display, It is optional for delegates of I.T.I., Polytechnic and Engineering Institutions otherwise they can submit abstract / Full length research paper for the conference.

2. Only Poster presentation.

3. Oral Presentation

Guide lines for Model:
The delegates from technical institutions should bring Original or prototype of the model at the conference Venue.
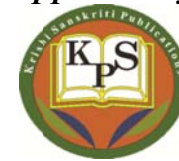1. You need to submit abstract of your concept paper in 250 to 300 words.

2. Size of Poster should be 2.5 x 3.5 Foot on flex or print out paper/ Chart paper, either printed or hand prepared.
3. Those selected for Oral Presentation should bring 10 to 12 PPT slides, as they will be allotted 6-8 minutes time for Oral Presentation.

The best Model/ Poster/oral presentation under different categories will be awarded by the Organizer. All registered participants will be issued certificate of presentation and participation.

All these subjects are emerging and promising discipline in shaping future research and development activities in both Academia and Industry. The conference aims at providing an opportunity for exchange of ideas and dissemination of knowledge among Academia, Industry, Research Scholars, Scientists, Entrepreneurs and N.G.O. for sustainable growth of the society. Contributions are invited from prospective authors from related areas. All contribution should be of high quality, Original and not published elsewhere or submitted for publication. During the review period, Papers will be reviewed by eminent scholars in the respective areas

All selected papers will be published in International Journal having ISSN/ Conference Proceedings/ Abstract Book with ISBN in print version as well as online version and that will be likely to be released and issued to the Registered Delegates on the day of conference. All high quality papers will be published in UGC Approved Journals.

About Institute & Location Guideline
S.C. Mishra I.T.I. is affiliated by N.C.V.T. (National Council for Vocational Training) New Delhi, under Dr. Govind Chandra Mishra Educational Foundation, which Impart Technical/ Vocational Educational. It is located 150 K.M. from Patna Airport, 45 K.M. from Muzzaffarpur 30 K.M. from Darbhanga Railway Station and 8 K.M. from Jogiara Railway Station. Direct bus services are available from Darbhanga, Muzaffarpur upto Conference venue.

Topics of interest for submission include, but are not limited to:
Track No. I: Sciences (Basic and Applied)
Theme 1: Physics
- Applied physics and material science
- Condensed Matter Physics
- Nano-science and Nanotechnology
- Engineering and Industrial Physics, Instrumentation
- Metrology And Standards
- Quantum, Atomic and Nuclear Physics
- Chaos and Complex Systems

Theme 2: Chemistry and Chemical Engineering
- Fundamentals
- Multi-scale and/or Multi-disciplinary
- Chemical, Environmental, and Process Engineering
- Approaches
- Chemistry and Chemical Engineering Fundamentals
- Multi-scale and/or Multi-disciplinary Approaches
- Systematic Methods and Tools for Managing the
- Complexity
- Bioprocess Engineering and Application Biology

Theme 3 Mathematics and Statistics
- Computational Mathematics, Computational
- Geometry & Statistics
- Applied Mathematics & Statistics
- Applied Mathematics & Modeling
- Analysis & Its Applications
- Applied Algebra & Its Applications
- Geometry & Its Applications

- Algebraic Statistics& Its Applications

Theme 4: Environmental dynamics
- Energy Science and Technology
- Environmental Engineering
- Fuels and Combustion
- Solar Photovoltaic Devices and Systems
- Wind Energy, Hydro Energy
- Envirotech, Cleantech and Greentech
- Advancement in Energy
- Green Energy in Transport
- Renewable Energy
- Climate Change Mitigation and Technologies for Adaptation
- Green technology, Renewable energy and Environmental protection
- Various Types of Pollution and their control
- Wetland Ecology
- Solid waste management
- Global environmental change and ecosystems management
- Environmental restoration and ecological engineering
- Water treatment and reclamation
- Environmental sustainability
- Health and the Environment
- Land Reclamation, Earth Observation & Surveying
- Management and Engineering in Rural Areas
- Wastewater and sludge treatment

Theme 5: Agriculture and Allied Sciences
- Agri ecology & organic agriculture
- Agricultural Biotechnology
- Agricultural Production
- Agricultural systems
- Agricultural waste management
- Agriculture and rural development
- Agriculture biology and plant protection
- Soil sciences
- Soil, water and Management
- Sustainable Agriculture,
- Urban agriculture,
- Weed control and crop protection
- Climate change and Agriculture
- Crop breeding, genetics & genomics,
- Crop sciences
- Domestic animal breeding, genomics & biotechnology,
- Farmland preservation,
- Fertilizers & chemicals
- Genetics and Plant Breeding
- Horticulture
- Fruit growing
- Fruits & citrus
- Greenhouses & horticulture
- Vegetable growing
- Viticulture and Oenology
- Aquaculture:
- Aquaculture Management Systems
- Aquaculture Production and Food Safety
- Aquaculture Waste Management
- Biotechnology for Aquaculture
- Disease Control in Aquaculture
- Food & Nutrition Sciences

Life Sciences
- Biochemistry
- Plant Physiology

- Animal Physiology
- Biodiversity
- Cell Biology
- Zoology
- Botany
- Geology

Track – 2: Engineering/ Technology
Theme 1: Mining Engineering
- Advanced Metaliferrous Mining
- Advanced Mine Planning
- Advanced Mine Ventilation
- Application of Artificial Intelligence in Mining
- Automation and Remote Control of Mining
- Coal Mines Regulations and Metalliferous Mines Regulation
- Computer Applications in Mining
- Development of Mining Legislations in India
- Evaluation of drilling and blasting methods for underground and surface mines
- Explosives. Initiation systems and accessories for blasting in the underground mines
- Fundamentals of drilling technology
- Fundamentals of rock mechanics instrumentation
- Ground Control Instrumentation
- Latest Mine Machinery
- Mine Fires and Disasters
- Mine Fires and spontaneous heating
- Mine planning
- Mine Pumps
- Mining Induced Subsidence Engineering
- Mining of Deep Seated Deposits
- Mining Under Difficult Geological Situations
- Modern Design of Mine Opening
- Operations Research in Mining
- Principles of blast round design for single and multi-row
- Provisions of Mines Act and Mines rules
- Rock Drivage Machines
- Rock Excavation Engineering
- Rock Mechanics Application to Environmental Problems
- Rock Slope Technology
- Safety Risk Assessment & Management in Mining
- Status of Metalliferous Mining Industry in India
- Strata Control Technology
- Surface &Underground Mining Systems
- Technology of underground encavation
- Tunneling
- Underground Metalliferous mining

Theme 2: Mechanical, Aeronautical and Automobile Engineering
- High Strength Steels
- Composites and Hybrid Materials
- Nano and Material Science
- Materials and Structures Technologies in Metallurgical and Materials Engineering
- Intelligent Materials and Structures

Mechanical Properties of Materials
- Electronic, Optical, and Magnetic Properties
- Organic Polymer Materials

New Materials and Advanced Materials
- Non-ferrous Metal material
- Iron and Steel
- Composites

- Optical/Electronic/Magnetic Materials
- Environmental Friendly Materials
- Earthquake Materials and Design

Mechatronics
- Design, Modeling and Simulation of Mechatronic systems
- Robotics
- Control and Automation

Machine Design
- Actuator Systems
- Cutting/ Forming/ Grinding/ Polishing
- Design for Manufacturability (DFM)
- Machine Design/ Machine Elements

Production and Mechanical Engineering
- Acoustics and Noise Control
- Advanced and Digital Manufacturing
- Applied Mechanics
- Composite and Smart Materials
- Fluid Mechanics and Machinery
- Fluids Engineering
- Heat and Mass Transfer
- Internal Combustion Engines
- Manufacturing and Production Processes

Manufacturing Processes and Systems
- Materials Forming and Machining
- Powder Metallurgy
- Tribology in Manufacturing Processes
- Theory and Application of Friction and Wear
- Casting and solidification
- Virtual Manufacturing, and Simulation

Manufacturing Engineering
- Design of Machines and its Applications
- Modeling and Simulation of Manufacturing Processes

Automation and Equipment Manufacturing
- Embedded System
- Industrial Robotics and Automation
- Intelligent automation
- Measure Control Technologies and Intelligent Systems
- Nano-scale automation and assembly
- Process automation
- Sensor Technology

Engineering and Automation
- Advances in Metal Forming
- Emerging Technologies in Design and Manufacturing
- Micro-Manufacturing and Fabrication of Sensors

Aerospace Engineering(Aeronautical and Astronautical)
- Advanced In-Space Propulsion & Power Concepts
- Aeroacoustics
- Aerospace Propulsion Systems
- Aerospace Structures and Materials
- Aircraft Design and Technology
- Avionics Engineering
- Flight and Space Mechanics
- Flight Dynamics, Control and Performance
- Multidiciplinary design Optimization
- Navigation, Guidance and Control
- Satellite Technologies
- Space Mission and Spacecraft Subsystems
- Unmanned Air Vehicle

- Nanomaterials, Nanodevices: Fabrication, Characterization and Application
- Nanomedical Applications: Drug Delivery, and Tissue Engineering

Nanotechnology: Fundamentals and Applications
- Computational nanoscience and nanotechnology
- Mechanical Properties and Nanomechanics
- Nano manufacturing Processes and Systems
- Nanobiotechnologies
- Nano-Graphene

Theme 3: Civil, Architecture and Environmental Engineering
Architecture and Civil Engineering
- Artistic creativity and models of creative process
- Buildings, urban life and environment
- City Planning and daily life
- Creativity in history of art and architecture
- Designing Inclusive Environments
- Interior design and home
- Modern architecture as a new way of producing space
- Multidisciplinary Studies on architecture
- Structural creativity, technological progress
- Sustainable design, construction and development
- Constructional Safety
- Disaster Recovery
- Interlinking of Indian Rivers -Challenges and Prospects
- Pre-Stressed concrete Box girders
- Safety In Nuclear Power Plants
- Seismic Analysis Of Structures (Bridges)
- Seismic Retrofitting In Buildings
- Smart Materials
- Smart Structures
- Water Supply And Sanitation
- Advance Construction Techniques
- Advanced Reinforced Concrete
- Advances in composite materials
- Geo technical Engineering
- Geosynthetics
- Intelligent Transportation Systems
- Nanomaterial
- Passive Solar Buildings
- Prestressed concrete design advances
- Recycled Aggregate Concrete
- Self Compacting Concrete
- Silica Fume Concrete

Architecture and Urban Planning
- Architectural Design and Theories
- Architectural Engineering
- Bio-Architecture and Cities
- Ecological Architecture
- Solar architecture of a building

Civil, Structural and Material Engineering
- Activated Flyash as a Binder in Pavement
- Admixture Incompatibility in fresh concrete
- Bamboo as a Building Material
- Bridge and Tunnel Engineering
- Carbon fiber
- Chloride Corrosion in Concrete Beams
- Civil Engineering Materials
- Design of hydraulic structures such as weirs, reservoirs, dams
- Finite element model for double composite beam
- High-rise Structure and Large-span Structure

- Highway Design and Safety
- Hydraulic and Hydro-Power Engineering

Materials Science and Engineering
- New constructive Techniques and Systems
- New Structure and Special Structure
- Non-Destructive Testing
- Post tensioned concrete beams
- Road and railway engineering
- Seismicity and Construction
- Smart Materials and Structures
- Structural Analysis and Design
- Thermal Expansion of Concrete
- Urban Transportation Planning
- Water Supply and Drainage Engineering

Geotechnical Engineering:
- Landslide prevention
- Natural disaster mitigation and management
- Foundation engineering
- Post earthquake Infrastructure rehabilitation

Theme 4: Electrical and Electronics Engineering
Electrical engineering
- Automation, control and instrumentation
- Electrical and electronic materials
- Power management system
- Transmission lines

Power & Control Systems
- Advanced Power Semiconductors
- Embedded Systems and Software
- Energy storages
- Evolutionary Algorithm application to Power System
- Fuel cell
- Hybrid energy systems
- Industrial power systems
- Micro-electromechanical systems (MEMS)
- Power Distribution
- Power Electronics Controllers for Power Systems
- Power Generation
- Power integrated circuits (PIC)

Power Generation – Conventional and Renewable
- Hydropower technologies and applications
- Thermal power technologies and applications
- Safe nuclear energy generation and utilization
- Bio-energy technologies, process and utilization
- New technologies and design for energy efficiency
- Wind, Solar and Renewable Energy Sources

Power System Management
- Power system management technologies
- Integrated substation automation technologies

Power Transmission and Distribution
- Ultra High Voltage (UHV) technologies
- HVDC and flexible AC transmission system
- Over-voltage, lightning protection and grounding
- Plasma physics and the pulsed power technology

Photonics, Optoelectronics and Quantum Electronics
- 3D Semiconductor Device Technology
- Advanced Electromagnetics
- Digital Electronics
- Digital Signal and Image Processing etc
- Electronics & Nano Electronics

- Fiber-optic sensor and networks
- Industrial Automation and Control
- Instrumentation engineering
- Microwave Circuits - Systems and Applications
- Power Electronics and Power Drives

Green Electronics
- Organic And Sustainable Electronics
- Electronics In Renewable Energy

Bio-Electronics
- Biodegradable And Biocompatible Electronics Devices
- Neuroprosthetics

Smart Electronics
- Printed Electronics
- Consumer Electronics

Smart Grid Technologies
- Concept and structural framing
- Dynamic optimization and control
- Smart appliances and consumer devices
- Integrated communication technology

Telecommunication Engineering
- Communication Electronics and Microwave
- Antenna and Wave Propagation
- Telematics Services, Security Network

Advanced Communication
- e-Governance, e-Government, e-Commerce, e-Learning, e-Health
- Network Management, Operation and Maintenance

Theme 5: Computer Science and Information Technology
Software Engineering
- Component Based Software Engineering,

Mobile Learning
- Augmented Learning,
- Virtual Learning ,
- Blended learning,
- Cloud Computing for E-Learning,
- E-Learning Portals,
- Innovative Teaching and Learning Technologies,

Multimedia Processing
- 3D displays, Imaging and 3D audio,
- Medical Image Processing,
- Multimedia security,
- Multimedia systems, applications and services,

Information Technology
- Artificial Intelligence and Machine Learning,
- Computational Intelligence,
- E-Learning & E-Business,
- Fuzzy, ANN & Expert Approaches,
- Information systems & Applications,
- Management Information Systems,
- Network Management and services,
- Next generation network,
- Systems & Software Engineering,
- Web Engineering,

Animation
- Animation Languages,
- Behavioral Animation,
- Character Animation,
- Computer Animation,

Computer Graphics and Modelling
- Geometric Algorithms,
- Surface Modeling,

Human-Computer Interaction
- Collaborative System Design,
- Graphical Interfaces,
- Web Designing,

Image and Image Processing
- Digital Photography,
- Image Acquisition Techniques,
- Image Data Management,
- Internet Imaging,
- Medical Imaging,
- Wireless Imaging,

Databases
- Data Mining and Warehousing,
- Database and Information Systems,
- Distributed Databases,
- Text Mining,
- Web Databases and Filtering,

Algorithms
- Fault Tolerant Algorithms,
- Optimization Algorithms,
- Fuzzy logic based system,
- High Performance Computing,
- Nano Computing,

Security Management
- Cryptography
- Cyber Crimes,

Applications
- 3G/4G Network Evolutions,
- Advanced use of multimedia,
- Agent Computing & Multi-Agents Systems,
- CDMA/GSM Communication Protocols,
- Computer Architecture and Embedded Systems,
- Grid Computing & Applications,
- Hardware and Software Applications,
- High Performance Network Protocol,
- Intranet/Internet/Extranet,
- Reconfigurable Computing Systems ,
- RFID Networks and Protocols,
- Telecommunication Networks and Technologies,

Communications
- Ad hoc and sensor networking,
- Cognitive science,
- Optical networks and systems ,
- Wireless communications and networking

Track III : Commerce
Track IV: Management
- Marketing
- Banking
- HRD
- Finance
- Economics
- Law & Governance
- Tourism

Track V : Social Sciences
- Political Science
- History
- Geography
- Sociology
- Psychology
- Anthropology

Track VI: Humanities
- Arts
- Culture
- Literature Language
- Philosophy
- Religion
- Spirituality
- Yoga
- Home Sciences

Abstract Submission:
Last date of Abstracts not exceeding 300 words on any of the aforesaid themes should be sent to the Organizing Secretary through email at info.academicconference@gmail.com on or before **10th March, 2018**.

Submission of Full Length Research Paper & Copyright Form
Last date of Full length research paper, in word format double column maximum in 6 pages and copyright form should be submitted together as separate attachment latest by **12th March, 2018** through email at info.academicconference@gmail.com.

Submission of Registration Details:
Last date of Submission of Registration Form/Details: **14th March, 2018**. Registration process can be initiated after receiving acceptance letter of full paper.

Accommodation
Free one Night Accommodation will be available to the limited no. of out station Delegates at institute premises.

NOTE: In case Research article is accepted by the editorial committee it will be published and released on the day of conference in case the delegates are not able to physically present their paper due to some or other reason his/her research paper will be published (in absentia) and published copy along with certificate will be dispatched to their correspondence address by post just after the conference at no extra cost. **All communication should be by e-mail/online only (no hard copy is required to be posted).**

Mandatory steps to be followed:-
1. In case of multi authored research paper, at least one full Registration is mandatory.
2. In case other author/co-author wish to physically attend the conference they need to pay full Registration fees individually, separate Journal & Certificate along with the conference kit will be issued to them. Co- Authors are requested to fill & submit separate Registration forms in case they are physically attending the conference.
3. Charges for extra copy of Journal/ Certificate for other Co-author (if required) should be paid along with preliminary Registration by the corresponding author.
4. Co-Authors will not be considered as accompanying person. Listeners are not entitled for free accommodation (it will be on paid basis). However they will be issued conference kit and participation certificate.

5. All Selected papers will be available online after 15 to 20 days of conference date over, in order to download the papers the authors need to go in the publication section of Krishi Sanskriti website.

Bank Details:

Bank Details mentioned below for **RTGS/ Wired Transfer or Online Transfer**:

Beneficiary Name : **Sukh Chandra Mishra ITI**

Bank Name : **Canara Bank**

Bank Address : **Jit Singh Marg, New Delhi**

Account No. : **14842010037606**

Account Type : **Saving**

IFSC Code : **CNRB0001484**

Swift Code- : **CNRBINBBBID**

Registration Charges:

Categories	Indian Delegates	SAARC/African Country Delegates	Rest of the countries
Academic faculty/Industrial Delegates	2500 INR	125 USD	250 USD
Research Scholars(Ph.D) / NGO Representative	2000 INR	100 USD	200 USD
Students (I.T.I, Polytechnic & Graduate & Post Graduate)	1500 INR	75 USD	150 USD
Printing of Additional Page in Books /Journals	200 INR	15 USD	20 USD
Listener / Accompanying Member	1000 INR	70 USD	100 USD
Book/Journal & Certificate (additional copy) for Co-Authors in absentia (if required)	600 INR	20 USD	30 USD
Only Books/Journal (additional copy) for Co-Authors in absentia (if required)	400 INR	15 USD	25 USD
Only Certificates (Co-Authors in absentia)	200 INR	10 USD	20 USD
Additional Research paper for same authors	1000 INR	25 USD	35 USD

Imp.: While submitting abstract, full length research paper and registration details participants must mention track number of the conference subtitle (like Track No. I or II or III or IV etc.) on the top of the page before title of your research paper.

****

For further information and Latest Updates, Write us at
"info.academicconference@gmail.com"
Or
visit our Website
http://www.gcmishraedu.com/academic18.html
Or
http://www.krishisanskriti.org/academic18.html
Contact No. : +91-8527006560

Dr. Vikas Rai	**Vikas Chandra Mishra**
Conference Chair	Publicity & Public Relations Committee
Sujit Kumar	**M. K. Mishra**
Exhibition Committee	Coordinator Transport Committee
B. Kumar	**S.S. Jha**
Registration Committee	Coordinator Cultural Committee
R.S. Dayal	**Prince Pervej**
Coordinator Hospitality Committee	Program Committee