श्री फणीश्वर नाथ रेणु अभियंत्रण महाविद्यालय
अररिया -854318

Under the Dept. of Science, Technology & Technical Education, Govt. of Bihar, Campus: Simraha, Araria -854318

Ref. No.: SPNREC/16   Date: 05.01.2024

NOTICE

A National Workshop on "Signal Processing for IoT based Communication" (NWSPIBC-2024), sponsored by Bihar Council on Science & Technology, under Department of Science, Technology and Technical Education, Government of Bihar is being organized from 08/01/2024 to 12/01/2024. The workshop will contain both expert lecture and Hands on Training. The basic detail of the workshop is as follows:

1. Name of Workshop: Signal Processing for IoT based Communication
2. Type: National
3. Coordinators: a) Mr. Amit Ranjan, Assistant Professor, ECE b) Mr. Priyatam Kumar, Assistant Professor, ECE c) Mr. Aamir Sohail, Assistant Professor, ME d) Mr. Md Nadir, Assistant Professor, CE
4. Date: 08/01/2024 to 12/01/2024
5. Timing: 10:00 AM to 05:00 PM
6. Venue: Smart Class Room, 2nd floor
7. Who can participate: Faculty members, students and professionals of relevant background
8. How to participate: Register through the following google form link or QR Code:

https://forms.gle/g4pArN6Dx58jWo6JA

9. Registration fee: **Free for all**
10. Maximum No. of participant: 150 (On first sequential registration basis)
11. Mode of participation: **Offline Only**
12. Contact: spnrecbcstworkshop@gmail.com,

The interested faculty members, students and professionals are notified to participate for the workshop.

Ritesh Kumar
05/01/2024
Organizing Secretary, NWSPIBC-2024
(Dr. Ritesh Kumar)
Assistant Professor, SPNREC, Araria

05/01/2024
Principal
Patron, NWSPIBC-2024
SPNREC, Araria

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1. Student Notice Board
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3. Website

ABOUT SPNREC, ARARIA

Shri Phanishwar Nath Renu Engineering College (SPNREC), Araria (formerly Government Engineering College, Araria) was established in 2019 by the Science, Technology and Technical Education Department, Government of Bihar, with the aim to set-up an effective technical education system in Bihar. It is affiliated to the Bihar Engineering University (BEU), Patna and approved by All India Council for Technical Education. The institute possesses all the facilities necessary for it to be a centre of excellence. For excelling in academic and research, the institute has well-qualified faculty members which are recruited through a rigorous process by Bihar Public Service Commission (BPSC). The institute boasts of efficient classrooms, well-equipped laboratories, a central library (with reading room facility), and other amenities to improve the skill level of engineers it graduates.

PATRON
Dr. Atma Ram Gupta
Principal
SPNREC, Araria

Chief Guest
Dr. ACHYUTA NAND MISHRA
Principal
SCE, Supaul

Organizing Secretary
Dr. Ritesh Kumar
Assistant Professor (ECE)
SPNREC, Araria

Coordinator
Prof. Amit Ranjan
Assistant Professor (ECE)
SPNREC, Araria

Coordinator
Prof. Priyatam Kumar
Assistant Professor (ECE)
SPNREC, Araria

Coordinator
Prof. Md. Nadir
Assistant Professor (CE)
SPNREC, Araria

Coordinator
Prof. Aamir Sohail
Assistant Professor (ME)
SPNREC, Araria

Organizing Committee
- All HODs , SPNREC, Araria
- All Faculty Members, SPNREC, Araria

National Workshop on Signal Processing for IoT Based Communication
NWSPIBC-2024
(Jan. 8th - Jan. 12th, 2024)
Sponsored by
Bihar Council of Science & Technology

Organized by

SHRI PHANISHWAR NATH RENU ENGINEERING COLLEGE, ARARIA

Science, Technology and Technical Education Department Government of Bihar

Objective of Workshop

To aware the participants about the internet of things and associated technologies, methodologies, and emerging trends to compete with the challenges arising from our day-to-day life. It will help to increase productivity in industries including manufacturing and shipping. The modern health care instruments have also been benefited from the IoTs ability to automate operations and link equipment.

Course Content

- Recent development in IoT
- DESIGN and ANALYSIS of MEMS Sensor
- MATLAB/PYTHON for Machine learning
- Signal processing for noise reduction and filtering
- Interfacing of various sensors in IoT based communication
- Printed Electronics for IoT
- FEM Analysis and Modelling of 3D structure
- Speech signal analysis and enhancement

Targeted Participants

UG/PG/MS students, Ph.D students/research scholars/project students, staff/faculty members, and industry professionals working/planning to work in the future in these relevant areas will be benefited from this course.

Important Dates

- Last date for registration   : 07 Jan 2024
  (upto 6:00 PM)

- E mail to participants   : 07 Jan 2024
  (after 6:00 PM)

About the Workshop

The proposed workshop "Signal Processing for IoT Based Communication" deals with the Internet of Things and associated technology, methodologies, and emerging trends to compete with the challenges arising from our day-to-day life. Many aspects of daily life have been revolutionized by the advent of the IoT. Increased productivity: Industries including manufacturing, shipping, and healthcare have all benefited from the IoT's ability to automate operations and link equipment.

This workshop involved esteemed faculty members as experts from various institutes across India to share their knowledge in the area of Internet of Things related emerging technologies like, programmable wireless world with reconfigurable intelligent surfaces, printed electronics for IoT, edge IoT with artificial intelligence, Micro-electromechanical systems (MEMS) sensors with microcontroller device Automation, Knowledge defined vehicular networks, and 2D/TMD material prospects and challenges.

Key Points:

- Workshop Duration : 8th Jan to 12 th Jan, 2024
- Total Number of Sessions: 15
- Certification for each participants with more than 75% attendance
- Maximum number of seats : 150
- No registration charges
- Free accomodation and fooding for registered participants from other colleges.

Volunteers

- Amit Kumar Jha (ME)
- Vidhya Nand Singh (ME)
- Ankush Kumar (CE)
- Prince Kumar (CE)
- Yash Raj (CSE)
- Anjali Kumari (ECE)
- Sushma Kumari (ECE)
- Niraj Kumar (ECE)
- S M Saurabh Raj (ECE)
- Mithilesh Kumar (EE)

Our Speakers

- Dr. Satish Chandra (MNIT ALLAHBAD)
- Dr. Ritu Raj Singh (NSUT Delhi)
- Dr. Vimal Kumar Singh (MNIT ALLAHBAD)
- Dr. Hemprasad Yashwant Patil (VIT Vellore)
- Dr. Chetan Warde (IIIT Bhagalpur)
- Dr. Ravi Banoth (IIIT Tiruchirappalli)
- Dr. Sumit Kumar Jindal (VIT Vellore)
- Dr. Kuldeep Yadav (Galgotias University)
- Dr. Ritesh Kumar (SPNREC ARARIA)
- Mr. Deepak Kumar (GEC Kishanganj)
- Mr. Kumar Vimal (SPNREC ARARIA)
- Mr. Priyatam Kumar (SPNREC ARARIA)
- Mr. Rajkumar Sharma (SPNREC, Araria)
- Mr. Amit Ranjan (SPNREC, Araria)
- Mr. Dharmendra Kumar (SPNREC, Araria)

Registration Details

- A certificate shall be issued to the participants on the successful completion of the workshop.
- Interested candidates should fill out the google form at the earliest.

https://forms.gle/g4pArN6Dx58jWo6JA

Registration Fees NIL

**Seat Limited
First Come First Serve
Basis**

Contact Us

Dr. Ritesh Kumar
Assistant Professor
SPNREC, Araria-854318, Bihar
Email: spnrecbcstworkshop@gmail.com
Contact No.: 9031385434