Shaheed Rajguru College of Applied Sciences for Women

University of Delhi

NAAC Grade A+ | NIRF RANK-38

Department of Instrumentation

presents

The Annual Technical fest

TECHNEXUS 2024

TECHNO TRIVIA

TECHNOVATE

TECH DOODLE

TECH TANGLE

Win Exciting gifts and prizes 🏆

E-certificates will be given to the participants

SAVE THE DATE

October 23, 2024

Time: 10AM onwards

Venue: LT12, SRCASW

Scan the QR code for registration

For any query contact: Shivanshi Tyagi: 9310743710 Devika: 9540553306

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TECHNEXUS 2024

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TECHNO TRIVIA

technical quiz of diverse technical fields.

Round 1: Preliminary Round

Round 2: Reverse Engineering Round

Round 3: Circuit / Code Debugging

E-certificates will be given to the participants

SAVE THE DATE

October 23, 2024

Time: 10AM onwards

Venue: LT12, SRCASW

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For any query contact:

Priyanshu: 7303601957

Devika: 9540553306

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TECHNOVATE

A creativity-driven event where participants propose and present technical innovations/ ideas that solve real-world problems.

Round 1: Concept Proposal

Round 2: Prototype/Idea Presentation

E-certificates will be given to the participants

SAVE THE DATE

October 23, 2024

Time: 1:30 PM onwards

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TECH DOODLE

A creative drawing and guessing game where teams guess technical terms, processes, or gadgets from drawings made by their teammates.

E-certificates will be given to the participants

SAVE THE DATE

October 23, 2024

Time: 12 PM onwards

Venue: LT12, SRCASW

Scan the QR code for registration

For any query contact:

Anveshika: 6387437384

Devika: 9540553306

Shaheed Rajguru College of Applied Sciences for Women

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NAAC Grade A+ | NIRF RANK-38

Department of Instrumentation

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The Annual Technical fest

TECHNEXUS 2024

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TECH TANGLE

A fun event where participants solve a crossword puzzle based on technical terms, acronyms, and jargon.

E-certificates will be given to the participants

SAVE THE DATE

October 23, 2024

Time: 11 AM onwards

Venue: LT12, SRCASW

Scan the QR code for registration

For any query contact: Riya: 8368808782 Devika: 9540553306

Shaheed Rajguru College of Applied Sciences for Women

UNIVERSITY OF DELHI

NAAC Grade A+ | NIRF RANK- 38

DEPARTMENT OF INSTRUMENTATION

presents

TECHNEXUS'24

A science and innovation fest
for the students
and by the students

OCTOBER 23,2024

TECHNEXUS'24, The annual technical fest,
Department of Instrumentation

TECHNO TRIVIA

OVERVIEW:

A competitive technical quiz designed to test participant's knowledge in the diverse technical fields like electronics, programming, AI, robotics, and general engineering.

GUIDELINES:

1. **Eligibility**: The event is open to all, either as individuals or in teams of 2 members.

2. **Rounds:**
   - *Round 1: Preliminary Round*

Format: Written quiz with multiple-choice questions.

   - *Round 2: Reverse Engineering*

Format: Teams are presented with the output of a program or a technical system, and they must deduce what the system or program does.

   - *Round 3: Debugging*

Format: Participants are given faulty circuit setups or Code with error and are tasked with diagnosing and fixing the issues within a limited time.

3. Use of electronic devices is prohibited.

4. Any form of cheating, copying or misconduct will lead to disqualification.

REGISTRATION
Scan the QR code for registration

- **Venue:** LT12,Academic Block, SRCASW
- **Date of Event:** October 23, 2024
- **Time of Event:** 10:00 AM onwards

→ ***Perks of participation***

- Participation Certificates: All the participants receive E-certificates
- Prizes for Winners and Runner ups.

Student coordinator:
Priyanshu Pal
(+91 73036 01957)

Student coordinator:
Devika
(+91 9540553306)

TECHNEXUS'24, The annual technical fest,
Department of Instrumentation

TECH TANGLE

OVERVIEW:

A fun event where participants solve a crossword puzzle based on technical terms, acronyms, and jargon.

GUIDELINES

1. The event is open to all participants, either as individuals or in teams of 2 members.

2. Single Round
Format:Solve a printed crossword puzzle within 5 minutes.

3. Any form of cheating, copying, or misconduct will lead to disqualification.

4. Teams must maintain a respectful and positive atmosphere throughout the event.

REGISTRATION

Scan the QR code for registration

- **Venue:** Foyer, Academic Block, SRCASW
- **Date of Event:** October 23, 2024
- **Time of Event:** 11 AM onwards

→ ***Perks of participation***

● **Participation Certificates:** All participants will receive E-certificates.

Student Coordinator
Riya
(+91 8368808782)

Student coordinator:
Devika
(+91 9540553306)

TECHNEXUS'24, The annual technical fest,
Department of Instrumentation

TECH DOODLE

OVERVIEW:

A creative drawing and guessing game where teams guess technical terms, processes, or gadgets from drawings made by their teammates.

GUIDELINES

1. The event is open to all participants in teams of 2 members.

2. Single Round
Format: One team member draws, other guess the name of a gadget or device.

3. Participants have to guess the word in the given time limit.

4. Team with the most correct guesses will be the winner.

5. *No words or letters allowed in drawings.*

REGISTRATION

Scan the QR code for registration

- **Venue:** LT 12, Academic Block, SRCASW
- **Date of Event:** October 23, 2024
- **Time of Event:** 12 PM onwards

→ ***Perks of participation***

- **Participation Certificates:** All participants will receive E-certificates.

Student Coordinator
Anveshika:
(+91 6387437384)

Student coordinator:
Devika
(+91 9540553306)

TECHNEXUS'24, The annual technical fest,

Department of Instrumentation

TECHNOVATE

OVERVIEW:

A creativity-driven event where participants propose and present technical innovations/ ideas that solve real-world problems.

GUIDELINES

1. Team Composition: 1-4 members per team. Inter-College and interdisciplinary teams are allowed.

2.**Problem Selection**: Choose from the provided list of "TOPICS" or propose an original problem (approval required).

3.**ROUNDS:**

- ***Round 1: Concept Proposal***

Submit an abstract outlining the problem and solution along with pictures of the prototype or the project.

- ***Round 2: Prototype/Idea Presentation***

Format: Teams/Individuals present a working prototype or a detailed model of their innovation.

4.**Code of Conduct:**
-Maintain professionalism,
-No plagiarism

5.**Deadline:**
Submit your ideas by 21st October 2024.

6.For any queries, participants may approach the student coordinators.

REGISTRATION

Scan the QR code for registration

Student Coordinator
Shivanshi Tyagi
(+91 9310743710)

Student coordinator:
Devika
(+91 9540553306)

TOPICS FOR THE PROJECT/ PROPOSAL

TOPIC 1: Electronic Waste Management

Problem: The global accumulation of electronic waste (e-waste) has become a pressing environmental concern. Every year, millions of tons of discarded electronics end up in landfills, releasing toxic substances like lead, mercury, and cadmium. In developing countries, the improper handling of e-waste exacerbates health risks and environmental damage.

TOPIC 2: Early Disease Detection in Healthcare

Problem: Many serious diseases, including cancers, cardiovascular conditions, and neurological disorders, are often diagnosed at advanced stages, limiting treatment options and reducing survival rates. Early detection is critical, but current diagnostic tools are either too invasive, costly, or not widely accessible.

TOPIC 3: Water Quality Monitoring

Problem: Access to clean drinking water is a major issue globally, with water sources often contaminated by heavy metals, bacteria, chemicals, or other pollutants. Traditional water testing methods are expensive, time-consuming, and require specialised laboratories, making them inaccessible to rural and underserved communities.

TOPIC 4: Cybersecurity for IoT Devices

Problem: The rise of IoT (Internet of Things) devices—ranging from smart home gadgets to industrial sensors—has created new vulnerabilities in cybersecurity. Many IoT devices lack strong security measures, leaving them prone to hacking, which can result in data breaches, privacy violations, and potentially dangerous physical disruptions (e.g., hacked medical devices or critical infrastructure).

- **Venue:** LT 12,Academic Block, SRCASW
- **Date of Event:** October 23, 2024
- **Time of Event:** 1:30 PM onwards

→ ***Perks of participation***

- **Participation Certificates:** All participants receive E-certificates.
- Prizes for the winners and Runner up.

WE LOOK FORWARD TO YOUR PRESENCE AT TECHNEXUS, AND WE BELIEVE YOUR PARTICIPATION WILL GREATLY CONTRIBUTE TO THE SUCCESS OF THE EVENT