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NAAC ACCREDITED 'A+' GRADE COLLEGE

Institution's Innovation Cell (IIC)
Report
(2025-2026)

Event Name:- Workshop on "Arduino for Begineers"

Organized By:-

Institution's Innovation Council (IIC) , Hansraj College, University of Delhi In association with the

Department of Physics & Electronics and Ordinateur (The Computer Science Society)

Date:- 26/09/2025

Duration:- 05 Hours

Convener:- Dr. Ambika

Coordinator(s):- Dr. Nishant Shankwar and Mr. Suyash Kumar

Number of student Participants:- 40

Number of Faculty Participants:- 04

Number of External Participants (If Any):- None

Expenditure Amount (If Any):- Rs. 5000

Mode of Session Delivery (Online/Offline/Hybrid):- Offline

Objective of Program:- The primary objective of the workshop was to provide beginners with hands-on experience in Arduino, a popular open-source electronics platform.

Benefit in Terms of Learning /Skill/Knowledge Obtained:- Participants were engaged in hands-on sessions, allowing them to work directly with Arduino boards, components, and circuits. The practical approach helped reinforce theoretical concepts and encouraged experimentation

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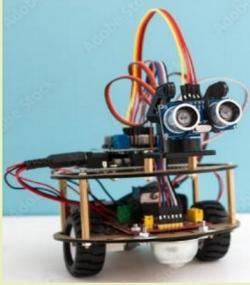Website: www.hansrajcollege.ac.in

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Report:-

A one-day workshop titled "Arduino for Beginners" was organized on September 26, 2025 by Hansraj College's Institution's Innovation Council (IIC) in collaboration with the Department of Physics & Electronics and the Computer Science Society. The event aimed to introduce students to the fundamentals of Arduino programming and electronics. It took place at CS Lab 1 & 2 of Hansraj College from 1:00 PM onwards.

Resource Persons: The workshop featured a diverse panel of experts and faculty members, including:

1. Dr. Nishant Shankhwar, Department of Physics and Electronics, Hansraj College

2. Mr. Suyash Kumar, Department of Computer Science, Hansraj College

The primary objective of the workshop was to provide beginners with hands-on experience in Arduino, a popular open-source electronics platform. The sessions were designed to:

- Introduce the basics of Arduino hardware and software.

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- Guide participants through simple projects involving sensors and actuators.

- Foster innovation and creativity among students by encouraging them to explore various applications of Arduino in real-world scenarios.

Workshop Highlights

Interactive Learning: Participants were engaged in hands-on sessions, allowing them to work directly with Arduino boards, components, and circuits. The practical approach helped reinforce theoretical concepts and encouraged experimentation.

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Expert Guidance: The resource persons provided personalized guidance throughout the workshop, ensuring that students at all levels of expertise could follow along and complete the projects. Collaborative Environment: The workshop fostered a collaborative environment where students could discuss ideas and troubleshoot issues with peers and experts.

Outcome

The workshop was well-received by the participants, many of whom expressed enthusiasm for continuing their learning journey with Arduino. By the end of the session, students had successfully created basic Arduino projects, which sparked their interest in further exploring embedded systems and electronics.

Conclusion

The Arduino for Beginners workshop provided a solid foundation for students interested in electronics and embedded systems. The hands-on experience, combined with expert guidance, made it a valuable learning opportunity. The workshop demonstrated the institution's commitment to fostering innovation and practical learning, in line with the goals of the Institution's Innovation Council (IIC) of Hansraj College.

Attendance sheet

S.No.	Email Address	Name of the Candidate	Name of the Course/ Department	Name of the College	Year
1	bhoomirokaya06@gmail.com	Bhoomi Rokaya	Bsc(hons) Instrumentation	Bhaskaracharya College Of Applied Sciences	Third
2	shrivastavrishi78@gmail.com	Raju kumar	B.sc (Hons) Electronics Sciences	Bhaskaracharya College Of Applied Sciences	Second
3	shivam41672@gmail.com	Shivam Yadav	Electronics	Bhaskaracharya college of applied sciences	Second

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