



**HANSRAJ COLLEGE**

**University Of Delhi**

**NAAC Grade A++ with CGPA 3.71**

**NIRF Rank # 12 (Amongst Colleges)**



**हंसराज कॉलेज**  
— दिल्ली विश्वविद्यालय —

**(2024-2025)**

**Event Name:- Workshop on “Arduino for Beginners”**

**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:- 04/10/2024**

**Duration:- 05 Hours**

**Convener:- Dr. Ambika**

**Coordinator(s):- Dr. Yogesh Kumar**

**Number of student Participants:- 48**

**Number of Faculty Participants:- 02**

**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.



हंसराज कॉलेज  
— दिल्ली विश्वविद्यालय —

## Institution's Innovation Council (IIC)

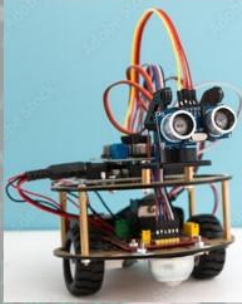
HANSRAJ COLLEGE, University of Delhi

In association with

Department of Physics & Electronics

&

Ordinateur ( The computer science society)



is organizing

One Day Workshop

**Arduino for Beginners**

On

4th October 2024,

1:00 P.M. Onwards

CS LAB 1 & 2

Registration

Fees:

Rs. 100 only



Scan Me  
To Register

Resource Person:- Dr. Nishant Shankhwar  
Mr. Suyash Kumar

Maurya Vivek Dinesh  
Student Coordinator  
8830966925

Dr. Yogesh Kumar  
Faculty Coordinator  
IIC-HRC, DU

Dr. Pratibha Tiwari  
Innovation Coordinator  
IIC-HRC, DU

Dr. Ambika  
Convener  
IIC-HRC, DU

Prof. (Dr.) Rama  
Principal  
HRC, DU

### Report:-

A one-day workshop titled "Arduino for Beginners" was organized on October 4, 2024 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.
- 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.

**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.




 GPS Map Camera



Delhi, Delhi, India  
M6H5+MGV, Hans Raj College Marg, Hansraj College, Delhi, 110007, India  
Lat 28.679002°  
Long 77.208943°  
04/10/24 01:25 PM GMT +05:30



 GPS Map Camera



New Delhi, Delhi, India  
1, Hansraj College, New Delhi, Delhi, 110007, India  
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New Delhi, Delhi, India  
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GPS Map Camera



**Attendance Sheet**

**Attendance Sheet**  
**Workshop- Arduino for Beginners**  
**Date- 04/10/2024**

S.No.	Name of the Candidate	Name of the Course	Name of the College	Year	Signature
1	Muskan	B.sc(hons.) electronics	Hansraj College	First	Muskan
2	Mahesh Singh	B.Sc Electronics	Hansraj College	First	Mahesh Singh
3	abhiraj gupta	bsc electronics	hansraj college	First	abhiraj gupta
4	Swayam jain	Bsc h electronics	Hansraj College	First	Swayam jain
5	Deepak kumar verma	Bsc(Hons) Electronics	HANSRAJ COLLEGE	First	
6	Raj Chaurasiya	Bsc Hons Electronics	Hansraj College	First	Raj Chaurasiya
7	Aditya raj	Bsc hons electronic	Hrc	Second	
8	Raksha	Bsc. Hons. Electronics	Shaheed rajguru college of applied sciences	Second	Raksha
9	Himanshu verma	Bsc (hons) Electronics	Acharya narendra dev , Delhi university	Second	Himanshu
10	Swati	Bsc hons electronics	Shaheed rajguru college of applied sciences	Second	Swati
11	Tisha	Bsc Electronics	Shaheed rajguru college of applied sciences	Second	Tisha
12	Tarun sahu	Bsc(hons) electronics	Bhaskaracharya college of applied sciences	Second	Tarun sahu
13	SHUBHAM VERMA	Bsc(H). Electronics	Bhaskaracharya college of applied science	Second	Shubham
14	Neha Gautam	Bsc hons electronics	Hansraj College	First	Neha
15	Kartik Maheshwari	Bsc (Hons) Electronics	Acharya Narendra Dev College	Second	Kartik Maheshwari
16	Shashwat Shukla	B.Sc(Hons.) Electronics	Acharya narendra dev college	Second	Shashwat Shukla
17	Ayush Soni	B.Sc(H) Electronics	Hans Raj College	Second	Ayush Soni
18	Jaganprit Singh	Electronics	Sri guru tegh bhadur college	Second	Jaganprit Singh
19	Yashasvi Kaushik	B.Sc(H) Electronic Science	Sri Guru Tegh Bahadur Khalsa College	Second	Yashasvi Kaushik
20	Utkarsh Singh	BSc Hons Electronic	Hansraj College	First	Utkarsh Singh
21	Karan saxena	B.A (programme)	Shaheed rajguru college	Second	Karan saxena
22	SUJAY KUMAR	B.A Program with Computer A	School of opening learning Delhi University	Second	Sujay Kumar
23	Rohit Kumar Dubey	BA Program With Computer A	School Of Open Learning	Second	Rohit Kr. Dubey

Attendance Sheet  
Workshop- Arduino for Engineers  
Date- 04/10/2024

S.No.	Name of the Candidate	Name of the Course	Name of the College	Year	Signature
24	KUNAL	B.A Programme with Computer	School of open learning (SOL) University	Second	<i>[Signature]</i>
25	Mriganki Tyagi	B.Sc.(H) Physics	Shaheed Rajguru College of Applied Science	Second	<i>[Signature]</i>
26	Sumeet Dutta	B.A. Programme with Computer	School of open learning, University of Delhi	Second	<i>[Signature]</i>
27	Tanu Choudhary	Ba Program With Computer A	School Of Open Learning Delhi University	Second	<i>[Signature]</i>
28	Ujwal	Physics hons	Sri Venkateswara college	First	<i>[Signature]</i>
29	Sumit Kumar	Bsc Physical science with Com	Hansraj college	First	<i>[Signature]</i>
30	Archita Singarika Sarm	Bsc. Physical science with che	Hansraj College	First	<i>[Signature]</i>
31	Nikhil Prakash	Bsc (H) Electronics	Zakir Hussain Delhi College	Second	<i>[Signature]</i>
32	Soumya	Bsc hns electronics	Zakir husain Delhi college	Second	<i>[Signature]</i>
33	Karan Das	B. Sc. (Hons) Electronics	Zakir Hussain delhi college	Second	<i>[Signature]</i>
34	Harsh Singh	Bsc(hons) Electronics Science	Zakir Hussain Delhi College	Second	<i>[Signature]</i>
35	Ainesh Rana	Bsc(Hons) Electronics	Zakir Hussain Delhi campus	Second	<i>[Signature]</i>
36	Himanshu Bachchis	B.Sc Electronics Honours	SGTB Khalsa College, DU	Second	<i>[Signature]</i>
37	PARAS	Ba program with computer app	School of open learning Delhi University	First	<i>[Signature]</i>
38	ANUSHKA SHAKYA	B.Sc Physical Science	Hansraj college	Third	<i>[Signature]</i>
39	Sneha Bhatt	B.Sc.(H) Computer Science	Kalindi College	Third	<i>[Signature]</i>
40	Vansh Sharma	B.Tech(CSE) Data Science	Amity University Noida	Third	<i>[Signature]</i>
41	Sahil Sumrani	Ba programme with computer	School of open learning	Second	<i>[Signature]</i>
42	Sachin kumar lal dev	Ba(pro) with Computer Applic	Saheed Rajguru College (SOL)	Second	<i>[Signature]</i>
43	Syed Haseeb Rizvi	B. Sc. (Hons.) Electronic Scie	Zakir Husain Delhi College - University Of D	Second	<i>[Signature]</i>
44	Rajeev aswal	Bsc (H) electronics	Sri Guru tegh Bahadur Khalsa college	Second	<i>[Signature]</i>
45	Uday Nailwal	Bsc ( H ) Electronics	SGTB Khalsa	Second	<i>[Signature]</i>
46	Ravishankar Prasad	B.sc Physical Science	Sri Aurobindo College Delhi University	Second	<i>[Signature]</i>
47	Priyanshu kumar ghosh	B.Sc Physical Science with co	Acharya Narendra Dev college	Second	<i>[Signature]</i>
48	Ritika	B.A program with computer ap	Open learning school	First	<i>[Signature]</i>
49	Dr. Shivani Chaudhary	Faculty Physics Department	Hansraj College	First	<i>[Signature]</i>
50	Yash Meena	BSc.(hons)computer sci.	Hansraj College	First	<i>[Signature]</i>