



TECNIA INSTITUTE OF ADVANCED STUDIES

GRADE "A" INSTITUTE

Approved by AICTE, Ministry of HRD, Govt. of India, Affiliated to GGSIP University
Recognized Under Sec. 2(f) of UGC Act 1956

INSTITUTIONAL AREA MADHUBAN CHOWK, ROHINI, DELHI 110085

Tel: 91-11-27555121-24, E-Mail : directortias@tecnia.in, Website: www.tiaspg.tecnia.in



Notesheet

The Department of ICT has organized Value Added Courses in the year 2022 – 2023. The list of the Value Added Courses are listed below:

| S.No. | Course offered | Name of the Resource Person | Beneficiary |
|-------|-----------------------------|-----------------------------|------------------------------|
| 1. | Ethical Hacking | Mr. Harsh | BCA 1 st Semester |
| 2. | Introduction to Tableau | Ms. Arnima Pathak | BCA 2nd Semester |
| 3. | Introduction to Data Driven | Ms. Arnima Pathak | BCA 4th Semester |
| 4. | Virtuous Security | Mr. Harsh | BCA 5th Semester |
| 5. | Data Science Basics | Ms. Arnima Pathak | BCA 6th Semester |

Value Added Course Incharge

Ms. Arnima Pathak

Hod (ICT)

Dr. Deepak Sonker



38 National Conference

Emerging Trends in Cloud Computing Using *Machine Learning*

Dr. Ajay Kumar
Dr. Sandeep Kumar
Dr. M. N. Jha



Emerging Trends in
Cloud Computing Using
Machine Learning

Dr. Ajay Kumar
Dr. Sandeep Kumar
Dr. M. N. Jha



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**TECNIA INSTITUTE OF ADVANCED STUDIES
GRADE "A" INSTITUTE**

To
The Dean
Tecnia Institute of Advanced Studies (TIAS)
3SP, Institutional Area
Madhuban Chowk, Sector-14, Rohini
New Delhi-110085

30/05/2023

Subject- Permission to conduct a workshop on cyber security in Tecnia Auditorium.

Respected Sir,


The department of ICT is organizing a workshop on cyber security as per the following schedule:


Date:- 2/06/2023

Time:- 11:00 am - 2:00 pm (Tecnia Auditorium)

Kindly grant your permission to conduct the above workshop in Tecnia Auditorium.

Thanks


Ms. Geeta Rani
(Nodal Officer)


Dr. Deepak Sonkar
(HOD-ICT Deptt)



Department of Information Communication & Technology

Technical Club

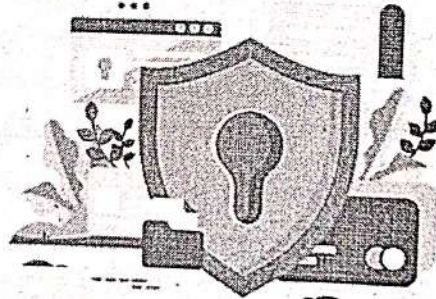
is Organizing

Workshop on

Cyber Security



Arnab Dua (BCA II sem) Sanyam (BCA VI sem)



📅 02nd June 2023 ⌚ 11:00 AM' 📍 tecnia Auditorium

Faculty coordinator: Ms. Geeta, Department of ICT

tiaspg.tecnia.in/technical-club



TECNIA

INSTITUTE OF ADVANCED STUDIES
GRADE "A" INSTITUTE
DELHI INDIA

Report on Cyber Security

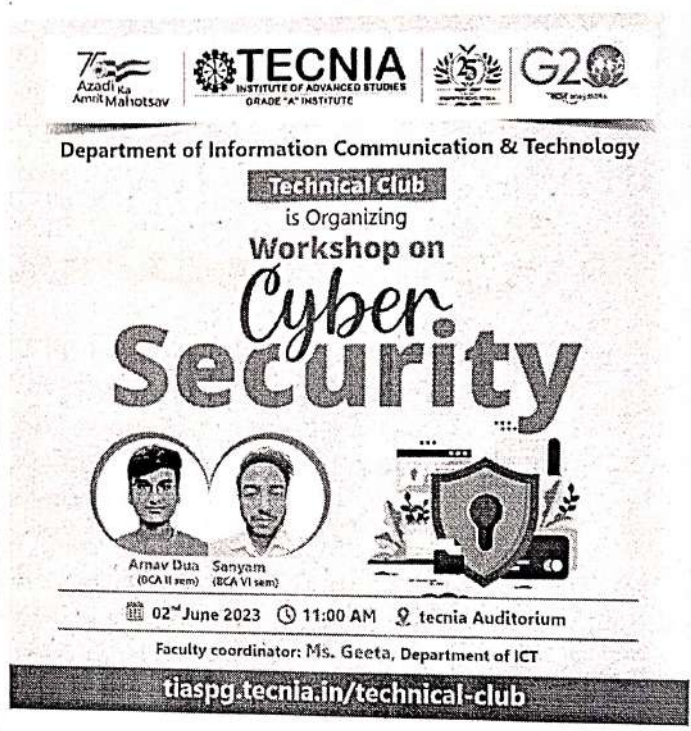
| | |
|--|---|
| Title of Activity* | Workshop on Cyber Security |
| Values | <ul style="list-style-type: none">✓ Confidentiality✓ Integrity✓ Privacy✓ Collaboration |
| Learning Outcomes | <ul style="list-style-type: none">✓ Understanding Cyber security Fundamentals✓ Knowledge of Security Technologies and Tools✓ Threat Awareness and Analysis✓ Security Policies and Best Practices |
| Organized by | Technical Club under the Department of Information Communication and technology |
| Program Theme* | Workshop on Cyber Security |
| External Expert / Internal Expert | Sanyam (BCA 6 th Semester) Arnav Dua (BCA 2 nd Semester) Sidra Tabbussum (BCA 2 nd Semester) |

HOD
BCA-TIAS

Dr. Deepak
HOD ICT

| | |
|-------|-------------------|
| Date* | 2-06-2023 |
| Time* | 11 am onwards |
| Venue | Tecnia Auditorium |

Poster/Flyer/Notice*



Social media link

https://m.facebook.com/story.php?story_fbid=pfbid0344JLsAKtCPy8NyD5GKfHMAagfjxxwsRs5WfdSDuKxLBF8toZWesUecdeMpYN3Tkzl&id=100063529675428

No. of Students*

135

No. of Faculty*

15

No. of External Participants

2

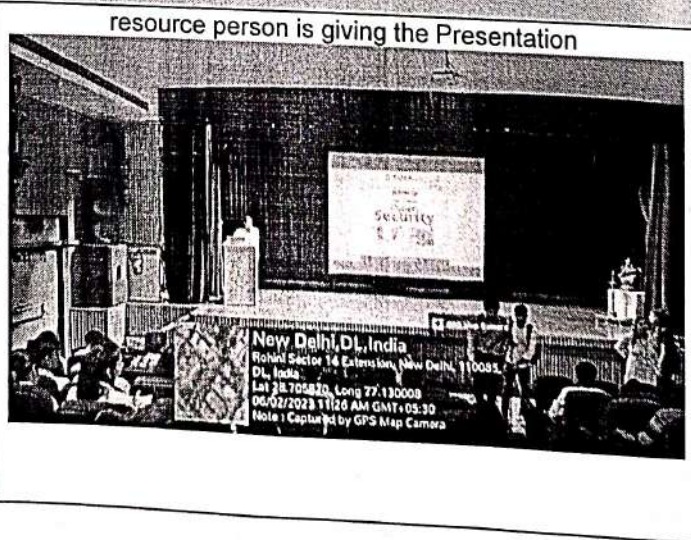
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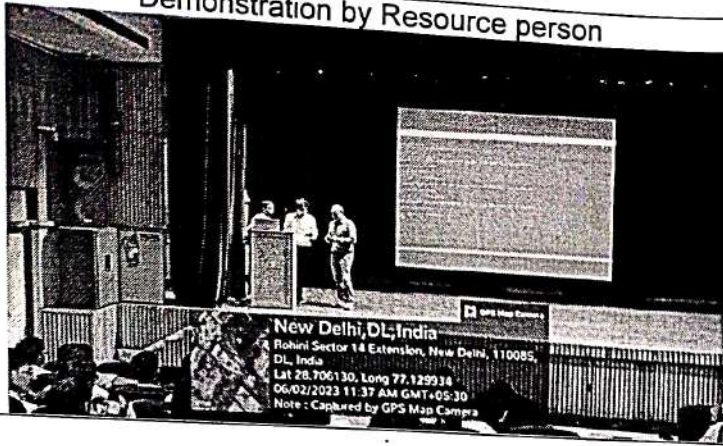
HoD
BCA-TIAS

[Handwritten Signature]

Dr. Deepak
HoD ICT



Demonstration by Resource person



Closing of event



Report Description

HOD
BCA-TIAS
Dr. Deepak
HOD ICT

A workshop on "Cyber security, Preventive Measures, and the Procedure as How to Report If Something Happens" was organised by the technical club of the ICT department for BCA students on June 2, 2023, in the auditorium from 11:00 AM to 2:00 PM. Mr. Sanyam (BCA 6th Semester), Mr. Arnav Dua (BCA 2nd Semester), and Ms. Sidra Tabbussum (BCA 2nd Semester) spoke at the session. In total, 135 students attended the programme.

Mr. Sanyam (BCA 6th Semester), Mr. Arnav Dua (BCA 2nd Semester), and Ms. Sidra Tabbussum (BCA 2nd Semester) are the resource people. Conducted a hands-on session on "Cyber Security and Ethical Hacking" and provided attendees with a wealth of resources on ethical hacking.

The presenters informed the students that cyber security has become a top priority for businesses worldwide and that it is now important for us to educate ourselves about the cybercrime taking place all around us. How this technology works, what kinds of security flaws exist, how to protect oneself from online crimes, and most importantly, what to do if something goes wrong.

Demonstration:

The resource person has summarized and demonstrated the following during this workshop to participants:

1. Foot-printing & Reconnaissance
2. Ethical Hacking
3. Information Gathering and Foot-printing
4. Operating System Hacking And Security
5. Malware Illustrations
6. Email Attacks and Security
7. Hacking Web Servers

8. Hacking Web Applications
9. Hacking Wireless Networks
10. Web Vulnerability Assessment and Penetration
11. Introduction to Kali-Linux and Its Tools
12. Network Vulnerability Assessment
13. Wi-Fi Hacking and Security
14. Smartphone Attacks and Security
15. Google Hacking Database

Speakers said that we are living in a digital era, where we access the internet at our fingertips while we know about advantages there are some disadvantages too. Sometimes we have to face a cybercrime, maybe directly or indirectly, we become victim to cybercrimes, maybe someone made a fraud online, or our social media account got hacked, or someone might be misusing your photo over the internet, maybe our friends or relatives faced this type of incidents, we want to help them out, not only this there are several reasons to report a cybercrime When people face huge financial loss due to cyber frauds then they concern about reporting a cybercrime, if they think the amount is too low then they simply ignore it, this is an opportunity for fraudsters to keep scamming people because there wasn't any FIR on them and they have nothing to worry about, cybercrime is not limited to financial frauds, it's even much wider. To help people stay safe from becoming a victim of cybercrime, there are some precautions that one could take such as, Using a strong password, Never disclose account details to anyone or any personal data to someone on the internet or on the phone, Use a trusted anti-virus, Never send credit/debit card details on any untrusted sites, Protect Wi-Fi. With this the workshop came to an end. The audience was satisfied and learned a lot about cyber security in a hope that they can take actions if they face any of it in this world full of technology.

Resource Person Profile

HoD
BCA-TIAS

Dr. Deepak

Sanyam attends Tecnia and is a BCA student. He has a strong propensity to do the tasks inside the allotted time. He has a strong academic history. He is well-versed in Java, Java script, C, C++, HTML, SQL, and cyber security..

BCA student Arnav Dua attends Tecnia. He is able to create web material and find enough knowledge by browsing the Internet. He excels in coding. He knows a lot about Python and its

| | |
|---------------------------------------|--|
| | library. BCA student Sidra Tabbussum attends Tecnia. She can communicate quite well. She's got good coding abilities. She is proficient in both spoken and written English. |
| Attendance Sheet* | <i>Attached at the end of Report</i> |
| Feedback | <i>Sample feedback Attached at the end of Report</i> |
| Report Submitted by | Ms. Geeta Rani |
| <i>For Office Use</i> | |
| Signature of Event Coordinator | Signature of School/Department Head <i>(With Seal)</i> |
| | |

HOD
BCA-TIAS

[Handwritten Signature]

Fields marked with '' are mandatory*



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INSTITUTIONAL AREA MADHUBAN CHOWK, ROHINI, DELHI 110085
Tel: 91-11-27555121-24, E-Mail: directortias@tecnia.in, Website: www.tiaspg.tecnia.in



To
The Dean
Tecnia Institute of Advanced Studies (TIAS)
3SP, Institutional Area
Madhuban Chowk, Sector-14, Rohini
New Delhi-110085

25/05/2023

Subject-Permission to conduct Robotics Workshop in Tecnia Auditorium.

Respected Sir,

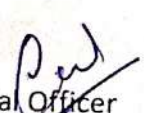
The department of ICT is organizing Robotics Workshop as per the following schedule:

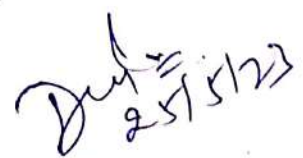
Date:- 25/05/2023

Time:-11:00 am -1:00 pm(Tecnia Auditorium)

Kindly grant ur permission to conduct the above fest in Tecnia Auditorium .

Thanks


Nodal Officer
Ms. Geeta rani


HOD(ICT)
Dr. Deepak Sonker

Event Manager
Dr. Ruchi shrivastava



TECNIA
INSTITUTE OF ADVANCED STUDIES



Technical Club

is Organizing
**Workshop on
Robotics**

By All India Council For Robotics & Automation



Thursday
25th May, 2023

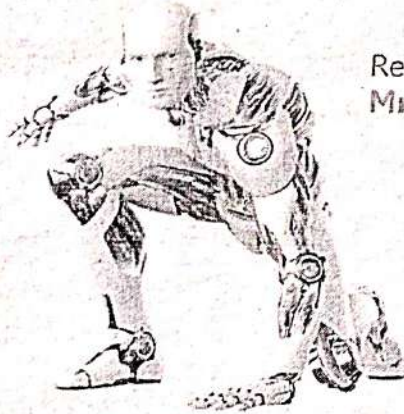


11:00 AM
Onwards



Tecnia
Auditorium

Resource Person :
Mr. Naveen Chhabra



Dept. of ICT

tiaspg.tecnia.in/technical-club

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TECNIA

INSTITUTE OF ADVANCED STUDIES

GRADE "A" INSTITUTE

DELHI, INDIA

Report on Workshop on Robotics

Title of Activity*

Workshop on Robotics

Values

Science, Technology, Engineering, and Mathematics (STEM) education

Learning Outcomes

- ✓ Understanding of Robotics Basics
- ✓ Problem-Solving and Critical Thinking
- ✓ Understanding of Sensor and Actuator

Organized by

Technical Club under the Department of Information Communication and technology

Program Theme*

Workshop on Robotics

External Expert / Internal Expert

Mr. Naveen Chabbra

Date*

25-05-2023

Time*

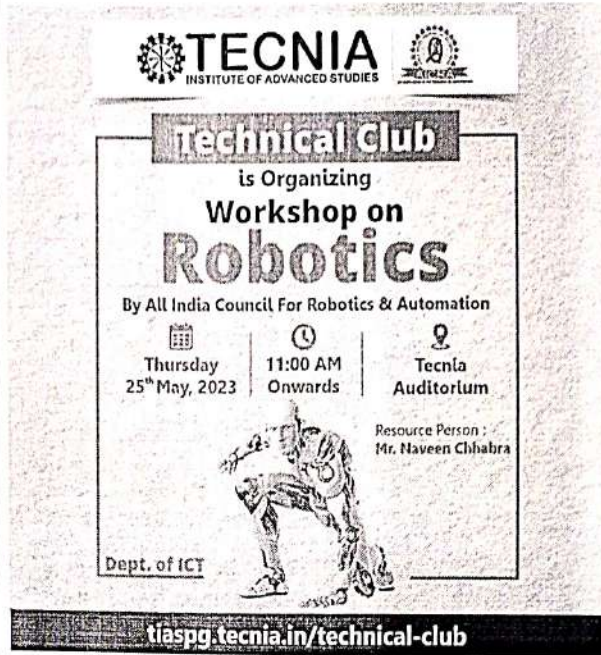
11 am onwards

Venue

Tecnia Auditorium

HOD
BCA-TIAS
Dr. Deepak
HOD ICT

Poster/Flyer/Notice*



Social media link

<https://www.facebook.com/100063529675428/posts/pfbid02VEmNqijjMnW1R1kJhF8epz44hYEvoEbAsMGs8xrpDxRhAdX7bPGqpWLxzUS5dSGZl/?app=fbl>

No. of Students*

188

No. of Faculty*

16

No. of External Participants

3

(Geotag) Photograph*

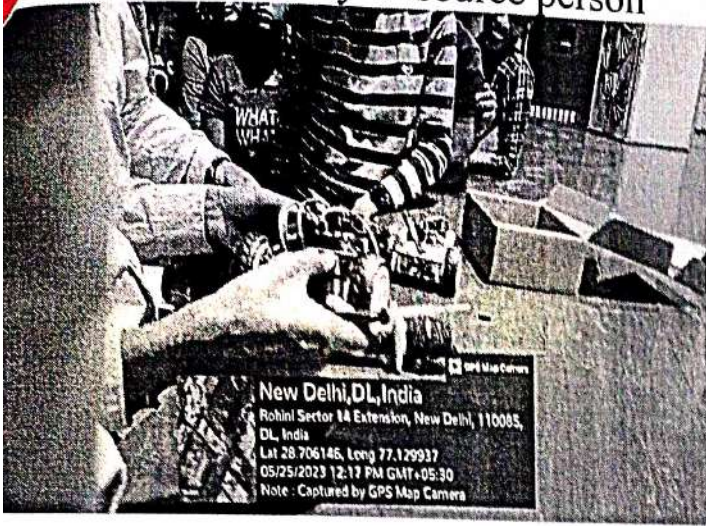
Photograph of the Event with the Caption

resource person is giving the Presentation



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BCA-TIAS
Dr. Deepak
HOD ICT

Demonstration by Resource person



Students is participating in Hands on Experience

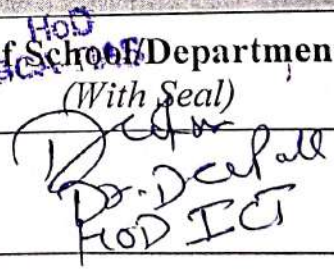


Report: Description in

Department of Information communication and Technology has organized a workshop on "Robotics" for BCA students on Date 25/05/2023 in auditorium from 11.00 AM to 2:00 PM. Dr. Deepak Sonker(HOD) and Ms. Geeta rani welcomed our Guest Mr. Naveen Chhabra from ICRA explained the importance of this session for the students to gain hands on experience in latest trends of Robotics in automotive industries. Around 188 students took part in the workshop. Expert from ICRA Mr. Naveen Chhabra gave an introductory talk on Latest trends of Robotics in Automotive Manufacturing industries. The speaker firstly introduced about the company and then they gave the technical perspective of the component and the parts of Robots manufactured by them. They explained the various components of Automatic Guided Vehicles (AVG) and Robotic Buggy which has been designed especially for Automation in industries. The Session was started with a lecture on basic concepts discussed in the Auditorium with the demonstration of different robots. These technologies are used to develop machines that can substitute for humans. Robots can be used in any situation and for any purpose, but today many are used in dangerous environments (including bomb

HOD
BCA/TIAS
Dr. Deepak
HOD ICT

detection and de-activation), manufacturing processes, or where humans cannot survive. Robots can take on any form but some are made to resemble humans in appearance. This is said to help in the acceptance of a robot in certain replicative behaviors usually performed by people. Such robots attempt to replicate walking, lifting, speech, cognition, and basically anything a human can do. Many of today's robots are inspired by nature, contributing to the field of bio-inspired robotics.

| | |
|---------------------------------------|---|
| Recourse Person Profile | Mr Naveen Chhabra presently working in ICRA. He has more than 10 years of experience as a Robotics Engineer with extensive experience in software development, specializing in designing, building, and testing automated systems |
| Attendance Sheet* | <i>Attached at the end of Report</i> |
| Feedback | <i>Sample feedback Attached at the end of Report</i> |
| Report Submitted by | Ms. Geeta Rani |
| <i>For Office Use</i> | |
| Signature of Event Coordinator | Signature of School Department Head (With Seal) |
| |  |

Fields marked with '' are mandatory*

TECNIA INSTITUTE OF ADVANCED STUDIES
GRADE "A" INSTITUTE

3/05/2023

To
The Dean
Tecnia Institute of Advanced Studies (TIAS)
3SP, Institutional Area
Madhuban Chowk, Sector-14, Rohini
New Delhi-110085

Subject- Permission to conduct a workshop on IOT in Tecnia Auditorium.

Respected Sir,


The department of ICT is organizing a workshop on IOT as per the following schedule:

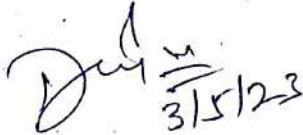
Date:- 8/06/2023

Time:-011:00 am -2:00 pm(Tecnia Auditorium)

Kindly grant your permission to conduct the above workshop in Tecnia Auditorium.

Thanks


Ms. Geeta Bani
(Nodal Officer)


Dr. Deepak Sonkar
(HOD-ICT Deptt)



Department of Information Communication & Technology

Technical Club

is Organizing

Workshop on

Internet of things

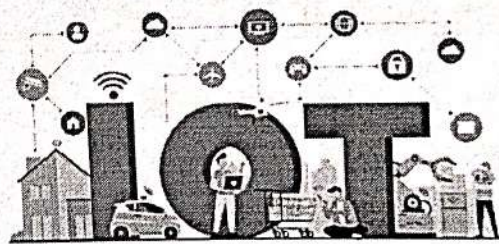
PRESENTER



Sarthak Arora
(BCA)

Team Members:

- Vipul
- Rukaya
- Hiba
- Fagun



INTERNET OF THINGS

📅 08th June 2023 ⌚ 11:00 AM 📍 Tecnia Auditorium

Faculty coordinator: Ms. Geeta (Department of ICT)





TECNIA

INSTITUTE OF ADVANCED STUDIES

GRADE "A" INSTITUTE

DELHI INDIA

Report on Internet of Things

| | |
|--|--|
| Title of Activity* | Workshop on Internet of things |
| Values | <ul style="list-style-type: none">✓ Connectivity✓ Interoperability✓ Data Privacy✓ Security |
| Learning Outcomes | <ul style="list-style-type: none">✓ Understanding of IoT Concepts and Principles✓ Familiarity with IoT Architecture and Frameworks✓ Knowledge of IoT Networking and Communication✓ Ability to Design and Deploy IoT Solutions |
| Organized by | Technical Club under the Department of Information Communication and technology |
| Program Theme* | Workshop on Internet of Things |
| External Expert / Internal Expert | Sarthak Arora (BCA 4 th Semester) Vipul Saraswat (BCA 4 th Semester) Hiba (BCA 2 nd Semester) Fagun (BCA 2 nd Semester) Rukaiya (BCA 2 nd Semester) |

HOD
BCA-TIAS
Dr. Deepak
HOD ICT

| | |
|-------|-------------------|
| Date* | 8-06-2023 |
| Time* | 11 am onwards |
| Venue | Tecnia Auditorium |

Poster/Flyer/Notice*

75 Azadi Ka Amrit Mahotsav

TECNIA
INSTITUTE OF ADVANCED STUDIES
GRADE 'A' INSTITUTE

G20

Department of Information Communication & Technology

Technical Club
is Organizing
Workshop on
Internet
of things

PRESENTER

Sarthak Arora
(BCA)

Team Members:
• Vipul
• Rukaya
• Hiba
• Fagun

INTERNET OF THINGS

08th June 2023 11:00 AM Tecnia Auditorium
Faculty coordinator: Ms. Geeta (Department of ICT)

@ f t y i n

Social media link

https://m.facebook.com/story.php?story_fbid=pfbid0uiHtBobKF8UXDebM2vL2x4eUjWFyhAW4FDMzkG5PDscsBNWt1AG6rajsF9F571JrI&id=100063529675428

No. of Students*

127

No. of Faculty*

15

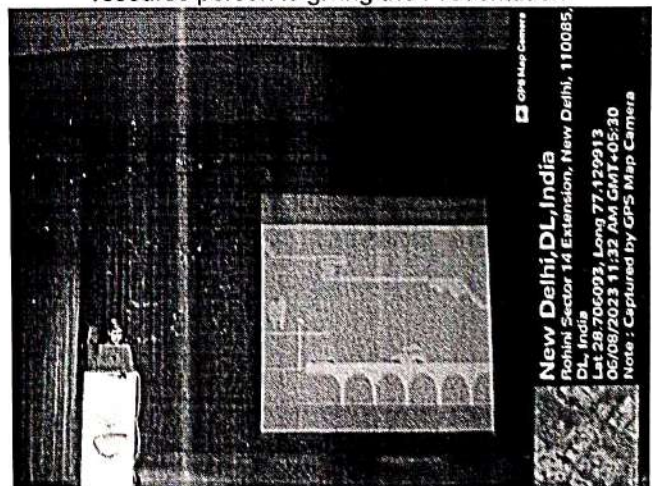
No. of External Participants

3

(Geotag) Photograph*

Photograph of the Event with the Caption

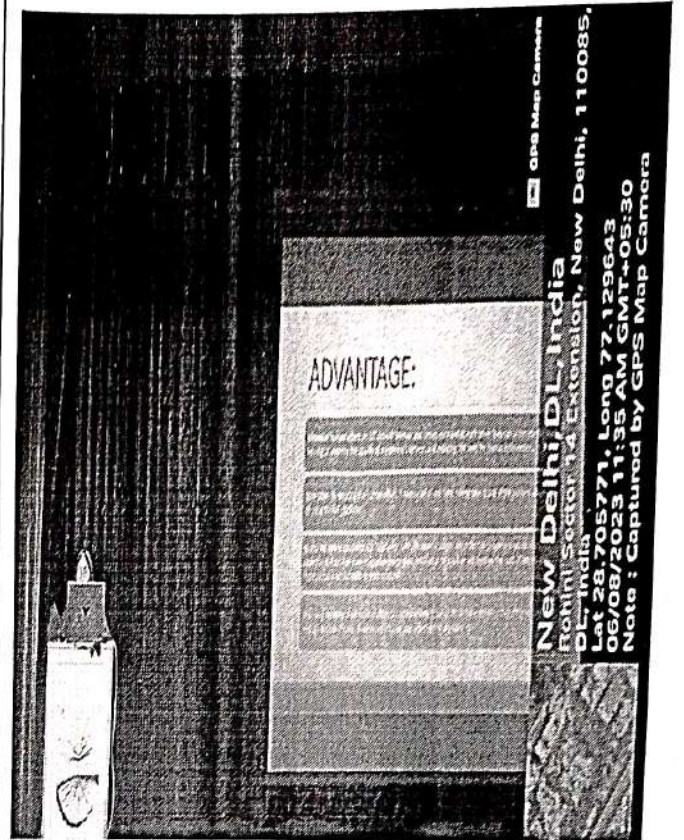
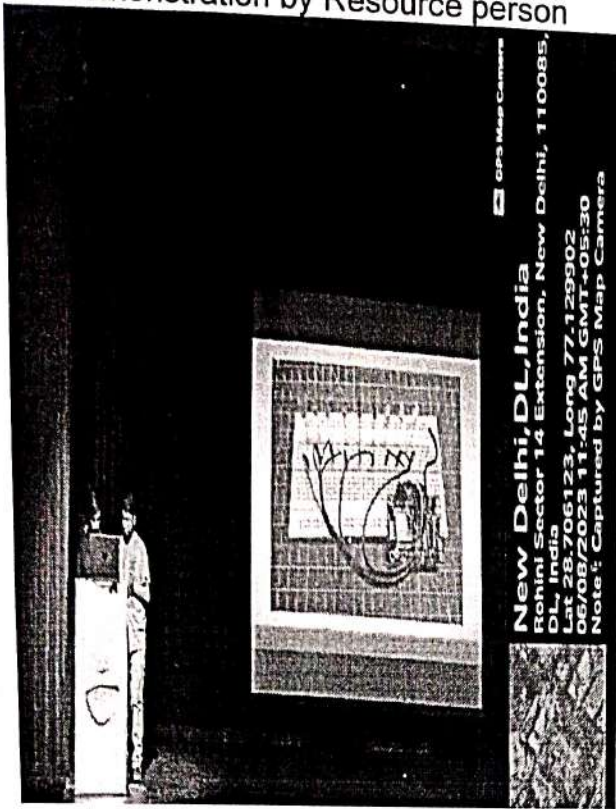
resource person is giving the Presentation



HOD
BCA-TIAS

Dr. Deepak
HOD ICT

Demonstration by Resource person



Report: Description in

Department of Information communication and Technology has organized a workshop on “Internet of Things” for BCA students on Date 8/06/2023 in auditorium from 11.00 AM to 2:00 PM. Around 127 students took part in the workshop.

The speaker firstly introduced about the introduction of IOT and then they gave the technical perspective. The Session was started with a lecture on basic concepts discussed in the auditorium with the demonstration.

The Internet of Things (‘IoT’) – all-embracing heterogeneous networks of smart devices hyper-connected with each other via the Internet – is on the rise and will become reality within the next five years. The decisive change accompanying the IoT will be its ubiquity: networked devices are everywhere. Like any technological progress, this development offers social and economic opportunities, but at the same time it also harbors risks and detrimental impact. Notably, the IoT is transforming and disrupting our daily lives faster than any other technology before. The aim of workshop to discuss real life use cases on IoT application and make the session really interactive

HOD
BCA/TIAS
Dushan
Dr. Deepak Kumar
HOD ICT

by providing an opportunity to suggest a solution to real life scenario also has been include to discuss some bonus: IoT demo applications with raspberry Pi board. Day ended with the demonstration of live project such as temperature monitoring.

The main headlights of the workshop are given below:

- ✓ Different types of Arduino board such as Arduino Uno, Arduino Uno R3 SMD, Ardino Pro 3.348 MHz , Arduino mini , Aurdino Ethernet and there characteristics (Power supply, clock speed, Digital I/O, Analog Input, PWM modulation and different kinds of interfacing.
- ✓ Wi-Fi module Programming with Arduino.
- ✓ Interfacing of sensors and uploading data on cloud.
- ✓ For Interfacing different types of sensors with Arduino and Arduino with data base ,different programming steps have been discussed (function , statement ,control statement levels variables, math, pin mode, serial mode, digital mode variable, delay and for loop)
- ✓ Interfacing and controlling various devices like LED, motors, sensors etc. with Arduino. Four examples have been taken as a hands-on such as LED glow, Switch sensing, Temperature display, small motor controlling.
- ✓ The ceremony and function came to an end with a group photo session.

Resource Person Profile

HOD
BCA-TIAS
[Signature]
HOD ICT

Sarthak Arora is a student of BCA in Tecnia. He has good tendency to complete the targets within the given time limits. He has good academic record. He has good knowledge of Java, Java script, C, C++, HTML and SQL and IOT.

Vipul Saraswat is a student of BCA in Tecnia. He has ability to develop web content and gather sufficient information by Internet surfing. He is good in coding. He has good knowledge of python and its library.

Hiba is a student of BCA in Tecnia. She is very good communicator. She has nice coding skills. She has good command over verbal and written English

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|---------------------------------------|---|
| | <p>Fagun is a student of BCA in Tecnia. She is Hardworking with an ability to learn new things quickly</p> <p>Rukaiya is a student of BCA in Tecnia. She has ability to develop web content. She has good knowledge of IOT.</p> |
| Attendance Sheet* | <i>Attached at the end of Report</i> |
| Feedback | <i>Sample feedback Attached at the end of Report</i> |
| Report Submitted by | Ms. Geeta Rani |
| <i>For Office Use</i> | |
| Signature of Event Coordinator | Signature of School/Department Head <i>(With Seal)</i> |
| | <p>HOD BCA-TIAS</p> <p><i>Dr. Deepak</i></p> <p>HOD ICT</p> |

Fields marked with '*' are mandatory