



**Annai Violet
Arts & Science College**

(Affiliated to the University of Madras, Co-Ed | NAAC Reaccredited)

seek

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INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD Initiative)

Kindly join us for the
Virtual Workshop
on




"Prototype/Process Design and Development-Prototyping"

on 22.04.2022 Friday at 10.00 am

Organized by

AVASC-IIC in association with IQAC

You  <https://youtu.be/DRMSvA2wGN4>

Resource person

Dr. B. Shanthini



Professor and Head

Department of CSE and IT

St. Peter's Institute of Higher Education & Research
Avadi, Chennai.

Chev. Dr. N. R. Dhanapalan

Chairman

Mr. N. R. D. Prem Kumar

Secretary

Dr. P. E. R. Premchand

Joint Secretary

Dr. C. Initha Lebanon Ebency

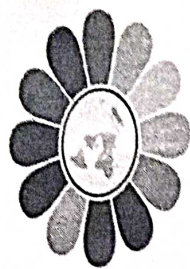
Principal

Mrs. Japhia Solomon

Vice Principal

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EVENT ORGANISED REPORT – (2021-2022)

Name of the Department/ Club	IQAC, Institution's Innovation Council & Department of Business Administration
Name of the Convenor	Dr. P. Thyriyalakshmi
Name of the Event Organized	Virtual Workshop
Title of the Event	Prototype/ Process Design and Development-Prototyping
Date of the Event Organized	22/04/2022
Designation/ Class of the Participants	Faculty Members and Students
No. of Participants / Viewers	63
Name of the Experts with Designation	Dr. Shanthini B, Professor & Head, department of CSE and IT, St. Peter's institute of Higher Education & Research, Chennai.
Objective of the Event	To enlighten students with the multiple aspects of Internet of Things and its role in today's operation of the world.
Description of the Event	On 22 nd April 2022, IQAC and IIC in association with the Department of Business Administration organized a Virtual Workshop on "Prototype/ Process Design and Development-Prototyping". Ms. Princy, Moderator for the session began the workshop by calling forth the college choir team. Followed by the invocation, she presented the welcome address. Chief Guest introduction was done by Mr. Nanda Kumar M of III B. Com

	<p>AF. At this point, the resource person of the day, Dr. Shanthini B began the session by defining Internet of Things (IoT). In the forthcoming segments of the session, she had touched widely upon the role of internet down the years for various purposes. She continued to mention that the way Internet of Things have become an integral part of our life. She heightened that in the recent times, through digitalization every possible communication and transaction was applied smart ways using internet. At the end of the session she encouraged students to do projects based on Internet of Things. She even shared some of the projects done by the students at her institution.</p>
Outcome of the Event	<p>The participants were very pleased with the session and the vast knowledge they gained out of it. They were also given and shown ways to exhibit their knowledge through useful means and thereby benefitting others too.</p>

Photo Gallery



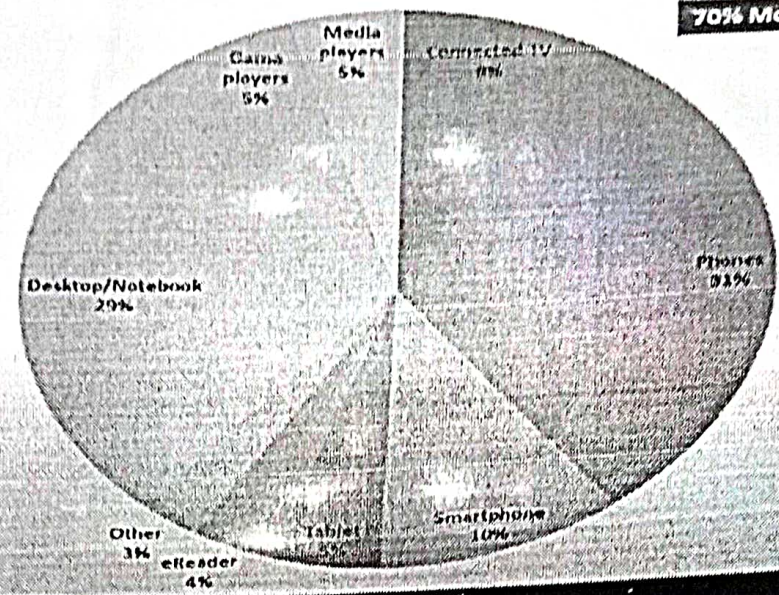


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Connected World

70% Mobile

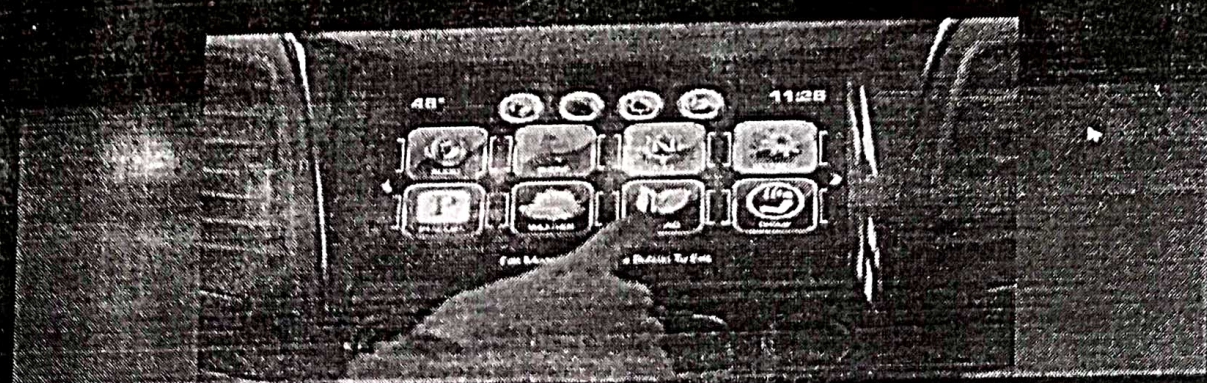


Connected TVs Bring An Explosion Of Content



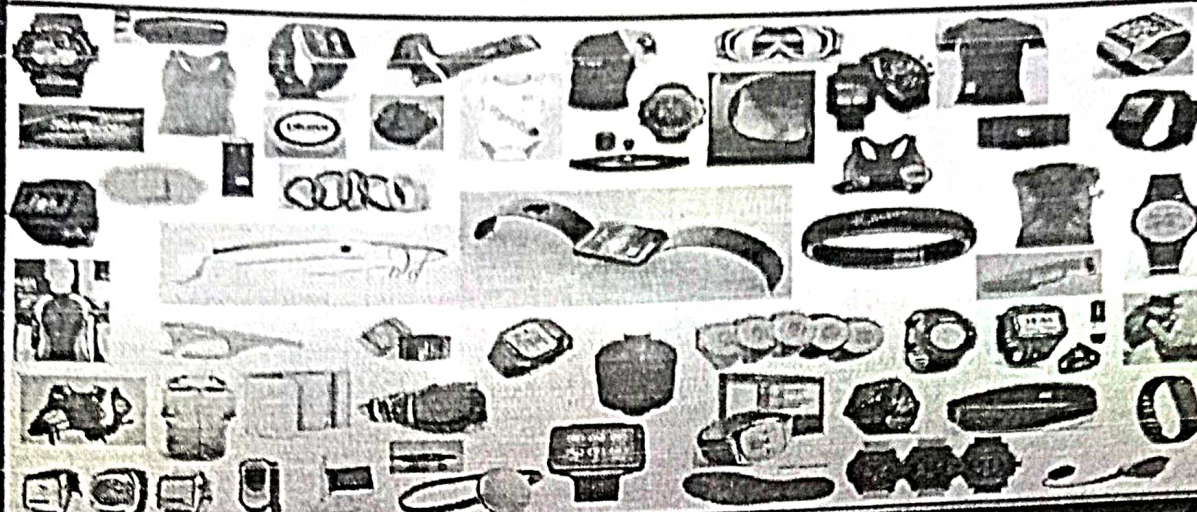
Web browsing, social networking, video-on-demand, video streaming in addition to regular television content.

Connected Cars



Equipped with Internet access through wireless LAN
Music, navigation, roadside assist, calls, parking apps, car diagnosis

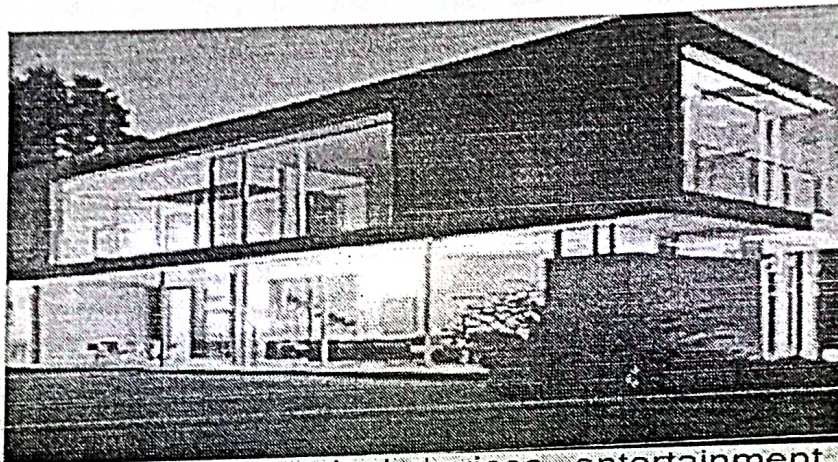
Wearables



15:33 / 48:42

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Internet of Things-Smart Homes



Centralized control of electrical devices, entertainment systems, security systems, plant watering, pet feeding, changing the ambience "scenes" for different events and use of domestic robots

17:51 / 48:42

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Internet of Things-Smart Cities

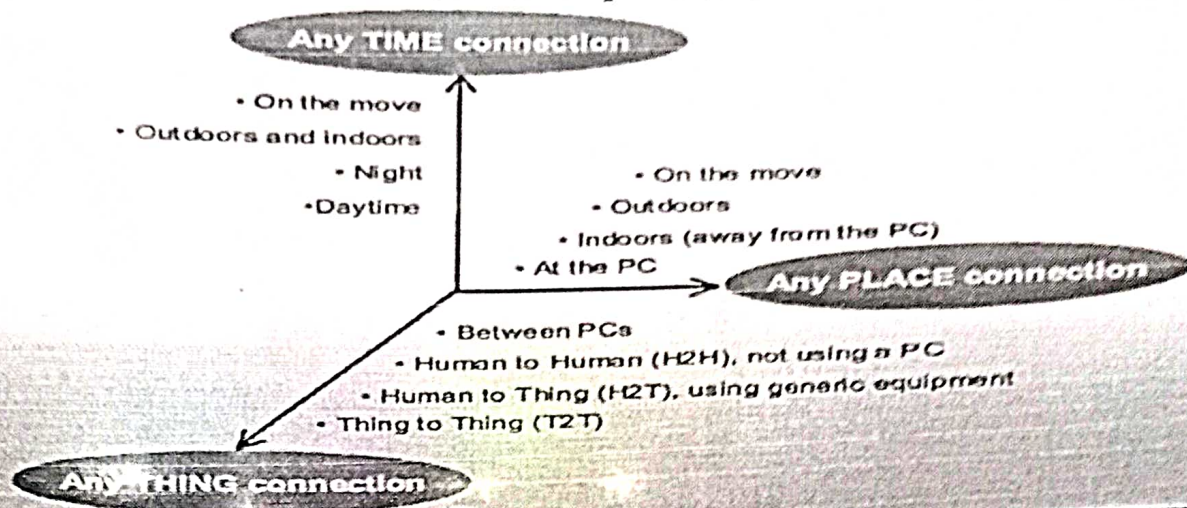


sectors including transport, energy, health care, water and waste

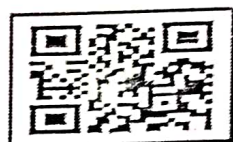
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IoT (Future) Networks

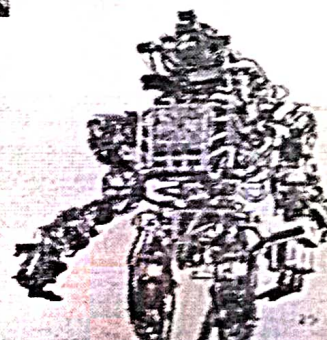
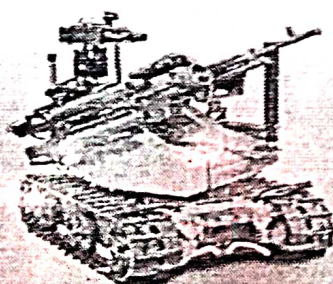
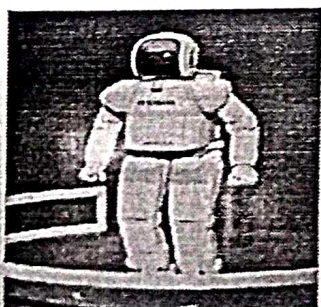
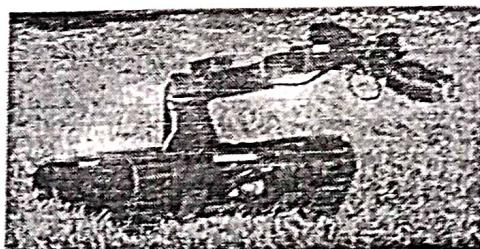


Enabling Technologies – Barcode & QR code

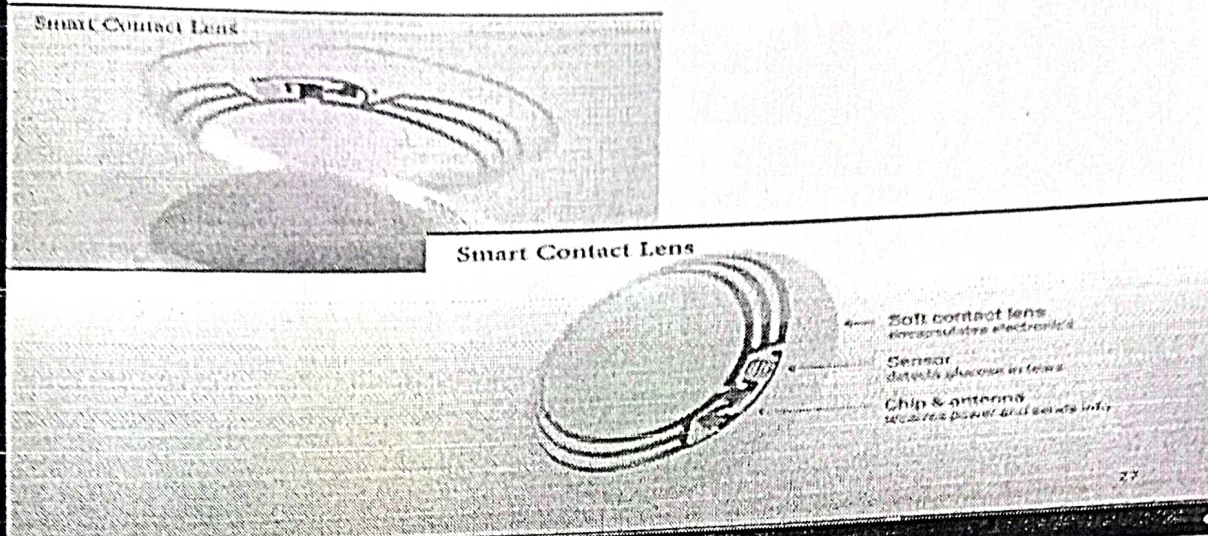


- Low cost
- No technological difficulties
- Several devices can read
- Former is single directional and latter double directional
- A QR code can carry up to some hundred times the amount of information a barcode is capable of

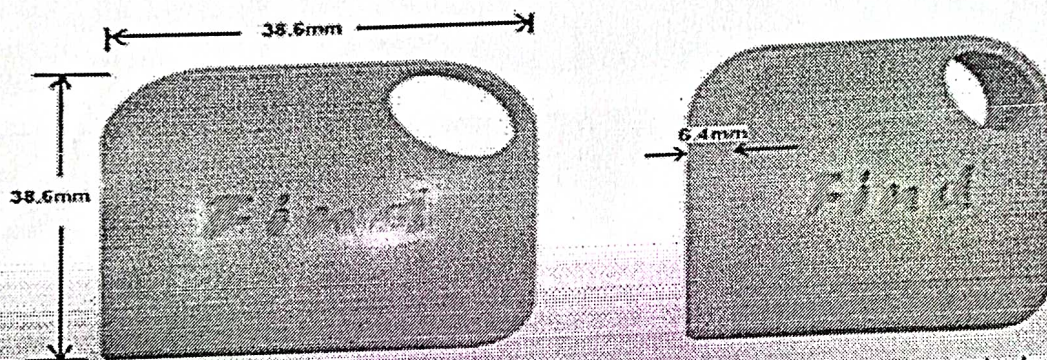
Humanoids & Bots



Smart Contact Lens



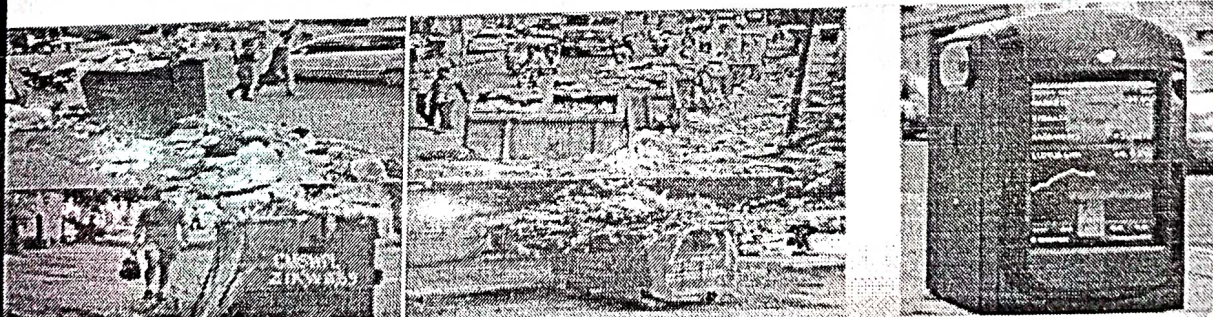
Indian IoT Products SenseGiz



Each sensor is a small square of 4 centimetres and half a centimetres of width. Can be hooked or stuck to any surface, with removable batteries and Bluetooth communications.

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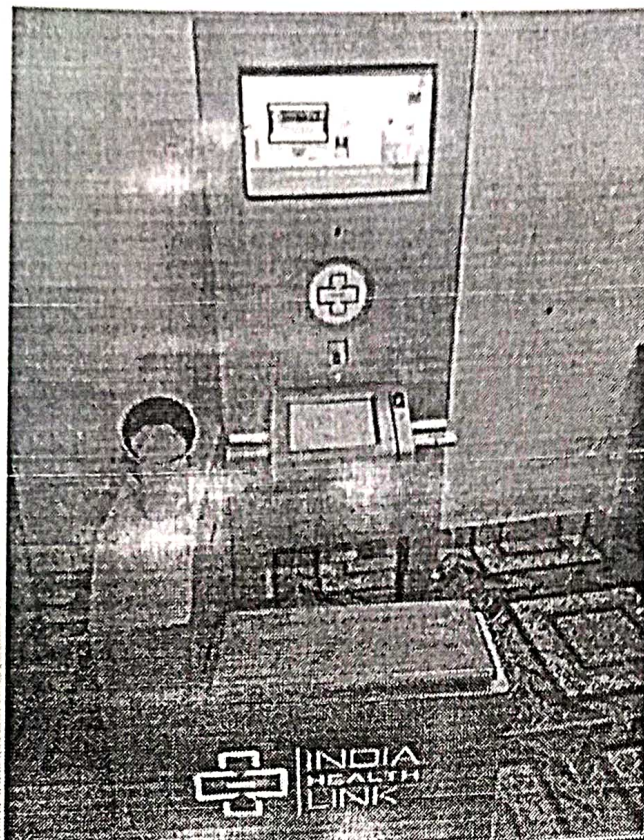
Smart Bins



Dynamic scheduling of nearly 10,00,000 Garbage Trucks in Chennai – IITM and REC

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Automatic Health Checking Machine in SPIHER



INDIA
HEALTH
LINK

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Students Projects related to IoT

- 2014-2015

- “Indian Regulatory Complaint System”,
M. Abhiman, V. Arun Raj, M. Pradeep and
S. Raghavendra
- “Digitized Personal Data Integration System”,
R. Abhilash, P. Bhuvanesh, R. Gokulan and
D. Muralidharan
- “SPYWARE – Anti Harassment System”,
R. Anupriya, V. Anurekha and E. Karthiga
- “QR Code-based Mobile Voting using Android
Application”, P. Lakshmi Priya and R. Niranjani

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