



# Indra Ganesan

## COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai  
Accredited by NAAC with 'B+' Grade, 2(f) and 12 B Status Institution by UGC

IG Valley, Madurai Main Road, Manikandam, Tiruchirappalli - 620 012

# ENGNEWS

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### From Secretary's Desk....



Er. G. Rajaseakaran  
Secretary  
Indra Ganesan Institutions

The college aims to infuse the spirit of wonder and discovery into the teaching-learning process. Interdepartmental collaborative ventures, interface between faculty students and the exchange programme have synergized the march of IGCE to reach out every individual to come out with their full potential. They have helped to enhance qualitative change ensuring substantial growth.

### From Director's Desk....



Dr. G. Balakrishnan  
Director  
Indra Ganesan Institutions

Successful and happy individuals build a successful nation. That strong foundation is good education. Because, in education lies the biggest service to the individual, to the nation and to humanity in the worldwide. IGCE with best education and infrastructure which will help them to face the complexity of life after completing the studies. Not only do we inculcate in them the best of creative and technical qualification, we also teach them indispensable human qualities.

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## 78<sup>th</sup> Independence Day Celebration

The 78th Independence Day of India was celebrated with great enthusiasm at Indra Ganesan Educational Institutions on August 15, 2024. The program began at 9:30 a.m. with the rendition of Tamil Thai Valthu. Eng. G. Rajasekaran, Secretary of the college, presided over the event and shared enlightening thoughts, while Dr. G. Balakrishnan, Director of Indra Ganesan Educational Institutions, facilitated the program.



Dr. K. Saravanan, Managing Director of Saravana Hospital, Trichy Thiruvanaikovil, had hoisted the national flag and delivered a motivational speech. He reflected on the 78 years since India's independence, paying tribute to the leaders who sacrificed their lives for the nation. He also highlighted the goal of transitioning India from a developing nation to a self-sufficient one by 2030, encouraging the youth to take responsibility for the country's future progress.



The celebration continued with vibrant artistic performances by students, beginning with a welcome dance. Students also delivered speeches on Independence Day in both Tamil and English, followed by a group dance. Welcome address given by Dr. P. Rajendran, Principal of Indra Ganesan College of Education, finally the Vote of Thanks given by Dr. P. Sridevi, Principal Indra Ganesan College of Arts and Science .The ceremony ended on a grand note with National Anthem.



### **Institutional Development Meeting**

As a part of academic enhancement a meeting with heads of the department held on Board Room on each and every week of Tuesday. Dr. G.Balakrishnan, Director / Pricipal of IGCE, convened the meeting and discussed the further promotional activities regarding institution upliftement.



# **Report on Skill Enhancement and Employability Development (SEED Lab)**

## **Students Training Program**

**(22.08.24 - 05.09.24)**

Indra Ganesan College of Engineering associate with LABAT had conducted Skill Enhancement and Employability Development Lab for I Year students during their from **22.08.24 to 05.09.24**. Totally 150 students from various stream and 12 faculties from S&H Departments are attend the program. The training program conducted for 10 days with 6 different modules with 12 Trainers

### **Training Topics:**

1. Networking
2. C Programme
3. Robotics
4. Electronic
5. Python
6. Prototype & Modeling

These above topics are trained by them as a package.

**C Program:** They trained the students for how to write the program with logical thinking and make them to understand data types, operators, conditional and looping statements (Trained for 5 days)

**Python:** They trained the students in software programming to create new gaming prototype in SCRATCH software (Trained for 5 days)

**Robotics :** They trained the students in Aurdino programming and how to interface ultrasonic sensor, IR sensor, LED light, DC motor, Stepper motor and Linear Actuator. Related to AI robotics Arm. (Trained for 3 days)

**Electronic:** They start from basic Ohms law, Kirchoff law and basic electronic connection in both Hardware and software. (Trained for 3 days)

**Networking:** They trained both Hardware and Software related to system. How to assemble and install new software. (Trained for 1.5 days)

**Prototype & Modeling:** They trained the students in Carpentry field and design a new wood model. (Trained for 1.5 days)

Each student had taken 4 skills based on the availability and discipline. They split into six groups. 1 & 2 for C and python course other 4 groups for four skilled program for first 5 days. Depends upon selection of student in second week the batch had been swapped accordingly.

They provide all the components for the skilled program such as small soldering machine to Aurdino board, Robotic arm, wood for carpentry. For each skilled program they provide two instructors to guide the students.

**Some of the responses from the student side:**

1. We had learned about 2D gaming using the scratch website.
2. Working Principle DC motor with NEODIUM magnet.
3. I had learned about the sensors which are used in daily life's and application from the SEED Lab classes
4. I had learned a lot of new things about which I had little knowledge earlier and plan to use sensors to build a new robotics project.
5. This program (SEED) is awesome and it's highly useful to our carrier. The tutors are very friendly.

**Day 1 Program (22.08.2024)**

**INAUGURATION FUNCTION**

Welcome address done by Dr.S.Karthikeyan vice Principal, college of engineering and Dr.G.Balakrishnan Director and Principal, Indra Ganesan Institutions and Indra Ganesan College of Engineering delivered the Fresher's Day speech and then Motivational speech delivered by Dr.M.Anusuya, Registrar, Indra Ganesan Institutions in the topic of "Self Esteem for Gene'z" and Dr.P.Sridevi, Vice Principal, Indra Ganesan College of Arts and Science in the topic of "Vinnai Thandi" , they are motivated First Year students by the following

1. Self disciplined for all areas
2. Self Motivation for all types of scenario
3. Explained about Current Trends in Engineering Fields

**Day 2 – Programme (23.08.2024)**

<b>GROUP</b>	<b>LABORATORY</b>	<b>No Of Days</b>
1	‘C’ Programming Lab	5
2	‘PYTHON’ Programming Lab	5
3	ROBOTICS	3
4	ELECTRONICS	3
5	NETWORKING LAB	1.5
6	CARBENTARY	1.5



**CARPENTARY LAB**



**NETWORKING LAB**



**ROBOTICS LAB**



**ELECTRONICS LAB**



**‘C’ LAB**



**‘PYTHON’ LAB**

**Day 3 – Programme (27.08.2024)**

<b>GROUP</b>	<b>LABORATORY</b>	<b>No Of Days</b>
1	'C' Programming Lab	5
2	'PYTHON' Programming Lab	5
3	ROBOTICS	3
4	ELECTRONICS	3
5	NETWORKING LAB	1.5
6	CARBENTARY	1.5



**CARPENTARY LAB**



**NETWORKING LAB**



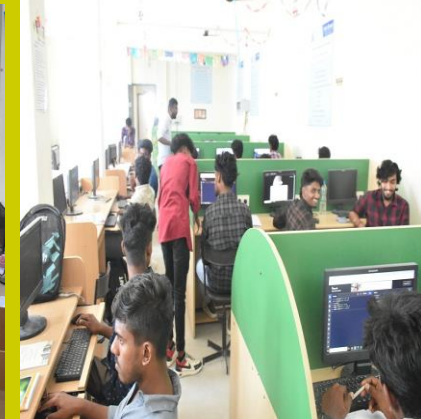
**ROBOTICS LAB**



**ELECTRONICS LAB**



**'C' LAB**



**'PYTHON' LAB**

**Day 4 – Programme (28.08.2024)**

<b>GROUP</b>	<b>LABORATORY</b>	<b>No Of Days</b>
1	'C' Programming Lab	5
2	'PYTHON' Programming Lab	5
6	ROBOTICS	2
5	ELECTRONICS	2
3	NETWORKING LAB	1
4	CARBENTARY	1



**CARBENTARY**



**ROBOTICS**



**NETWORKING LAB**



**ELECTRONICS**



**'C' LAB**



**'PYTHON' LAB**



**Day 5 – Programme: (29.08.2024)**

<b>GROUP</b>	<b>LABORATORY</b>	<b>No Of Days</b>
1	‘C’ Programming Lab	5
2	‘PYTHON’ Programming Lab	5
6	ROBOTICS	2
5	ELECTRONICS	2
4	NETWORKING LAB	1
3	CARBENTARY	1



**CARBENTARY**



**NETWORKING LAB**



**ELECTRONICS**



**ROBOTICS**



**‘C’ LAB**



**‘PYTHON’ LAB**

Day 6 – Programme: (30.08.2024)

GROUP	LABORATORY	No of Days
3,4	‘C’ Programming Lab	5
5,6	‘PYTHON’ Programming Lab	5
1	ROBOTICS	3
	ELECTRONICS	3
2	NETWORKING LAB	1.5
	CARBENTARY	1.5



CARBENTARY



NETWORKING LAB



ELECTRONICS



ROBOTICS



‘C’ LAB



‘PYTHON’ LAB

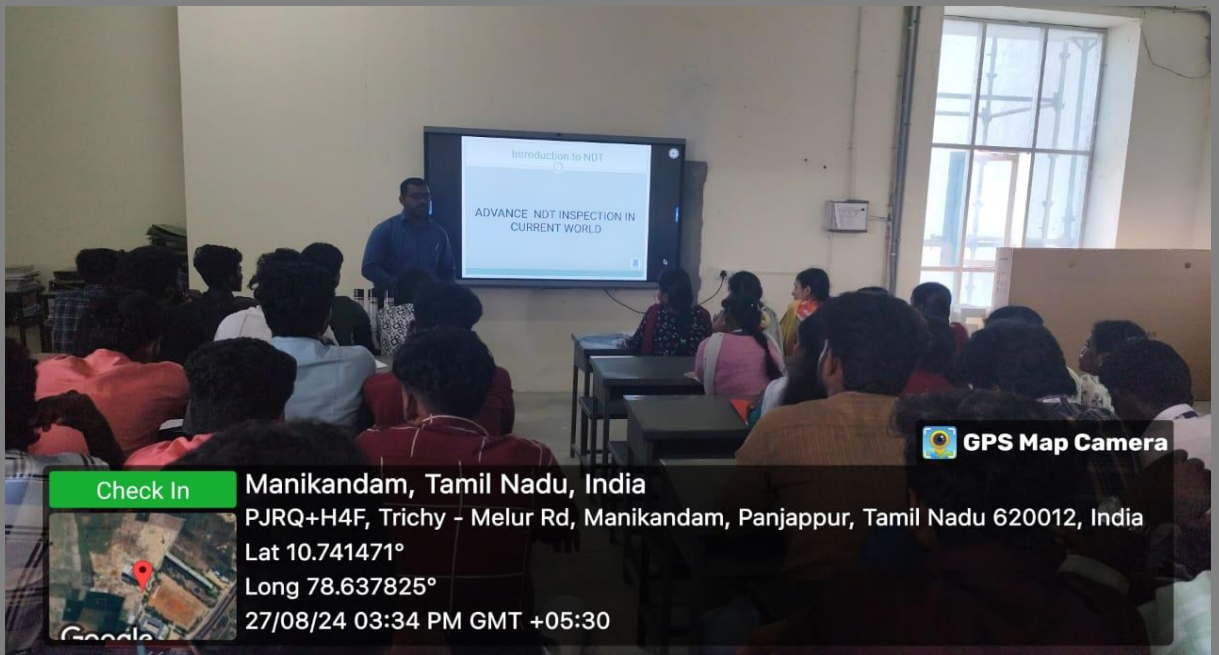
## Department of Computer Science and Engineering

The Department of CSE organized National Level seminar on “Science and Technology: Enhance Quality of Life” on 30.08.2024. The prime objective of the seminar is to enhance the faculty and students in the field of research and learn various techniques for a successful and active participation in a knowledge - based society. More than 100 students and 30 faculties have actively participated in the Seminar. Our Honourable Secretary, Er.G.Rajasekaran, and Director and Principal Dr. G. Balakrishnan, were of great moral support for the smooth conduct of the seminar. Dr. M. Anusuya, Registrar Welcome to the gathering with sufficient information about the purpose of this seminar. Dr. N. Vijayan, Professor, Senior Principal Scientist, Academy of Scientific & Innovative Research, New Delhi, by supplying us with ample ideas and techniques in the field of research. We had the opportunity of listening to the valuable speech from the speaker. Dr. S. Karthikeyan, Vice Principal of Indra Ganesan College of Engineering, acted as an advisor for this seminar. Needless to say, the National Level Seminar will be of great use for the teaching faculty and students, to mold the budding technocrats with ample information on research.



## Department of Mechanical Engineering

The Department of Mechanical Engineering conducted a workshop on "Non-Destructive Testing" Students from the Mechanical, EEE, and ECE departments participated. The resource person, Mr. S.R. Senthil Kumar, Manager at IITNDT, Trichy, Mr. Mohammed Raffic Assistant Manager at IITNDT, Trichy led a very useful and interactive session for the students.



## Smart India Hackathon 2024

As part of the preparations for the Smart India Hackathon 2024, an internal hackathon was conducted at Indra Ganesan College of Engineering, on 31.08.2024 in the board room of engineering block. The event saw the participation of 15 teams with each team comprising of 6 members. The teams represented various departments and showcased ideas across diverse domains such as Internet of Things (IOT), Machine Learning, deep learning, disaster management, agriculture & healthcare.



## Department of Electronics and Communication Engineering

On 29/09/2024, the Department of Electronics and Communication Engineering at Indra Ganesan College of Engineering hosted Ublaze 2024, an exciting intra-departmental event that brought together students, faculty, and esteemed guests for a day filled with learning, competition, and celebration. The event commenced with the traditional lighting of the Kuthuvilakku, followed by a heartfelt Prayer Song and the Tamilthai Vaazhthu, setting a respectful and auspicious atmosphere. The introduction of the office bearers was followed by a warm Welcome Address, which underscored the significance of the event in fostering innovation and technical excellence within our department. This was followed by Principal Sir's address wherein he enlightened students regarding the various opportunities ahead of them.


Our esteemed Chief Guest, Ms. R Subhiksha Banu an alumna of our institution, was honored with a felicitation ceremony, recognizing her achievements and contributions. Her inspiring address encouraged students to pursue their passions with dedication and determination. Following the formal proceedings, the day moved into the technical events, the core of Ublaze 2024. The event concluded with the prize distribution to the winners as a token of appreciation, followed by a vote of thanks, marking the end of a successful day. Ublaze 2024 was an enriching experience for all involved, showcasing the talents and potential of our students while fostering a spirit of camaraderie and innovation. We express our gratitude to everyone who contributed to making this event a memorable success.





# Indra Ganesan ★ Institutions ★

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## Engineering

B.E. CSE | EEE | ECE  
Mech | Bio Medical

B.Tech. IT | AIDS | Agri

M.E. CSE | VLSI

MBA | Ph.D

## Nursing

B.Sc. Nursing | ANM

## Allied Health Science

B.Sc.

Cardiac | Dialysis

Medical Laboratory

Radiography and Imaging

Accident and Emergency Care

Operation Theatre and Anaesthesia

Cardio Pulmonary Perfusion Care

## Education

B.Ed. | M.Ed.

## Medical Science

HI | DMLT

## Physiotherapy

BPT

## Arts & Science

B.A. English | Defence and Strategic Studies

B.B.A. Aviation Management

B.Sc.

Maths | Computer Science | Geology

Nutrition & Dietetics | Forensic Science

Fashion Technology & Costume Designing

Hotel Management & Catering Service

Aviation

B.Com. | B.Com. (CA)

## Pharmacy

D. Pharm | B. Pharm | M. Pharm

Pharm.D

## Naturopathy & Yoga

BNYS



**SIGMA**  
CBSC School

