

IGNITE 2023



A DAILY NEWSLETTER

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Principal, ACT

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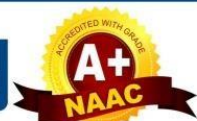
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IQAC SEMINAR SERIES

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DEPARTMENT OF INFORMATION TECHNOLOGY
in collaboration with
INTERNAL QUALITY ASSURANCE CELL
Organizes A
SEMINAR
on
PROBLEM BASED & PROJECT BASED LEARNING

27.12.2023
8.30am to 10.00am
Seminar Hall, ACT

Resource Person
Dr. S. Geerthik
Associate Professor & Head
Department of Information Technology

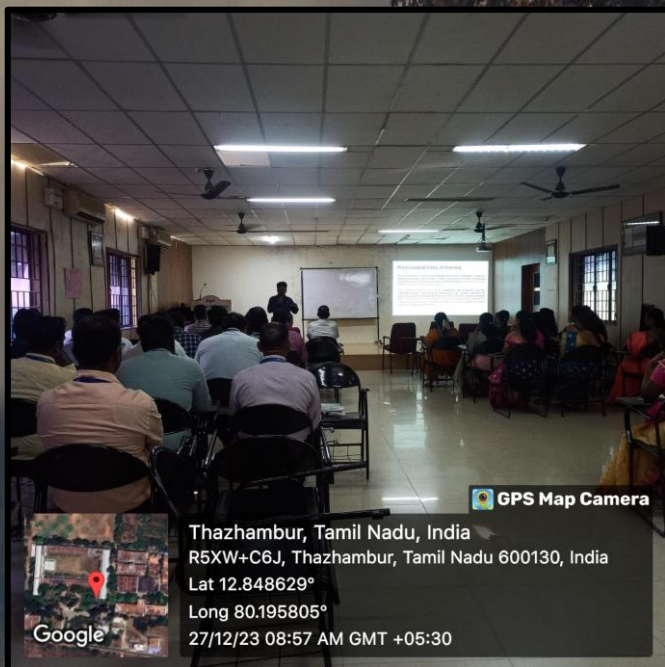
Coordinator: **Mrs. G. Tharagai Rani** Asst. Prof / IT
Co-Coordinator: **Dr. T. Anand** IQAC Coordinator
Principal: **Dr. Srinivasan Alavandar**



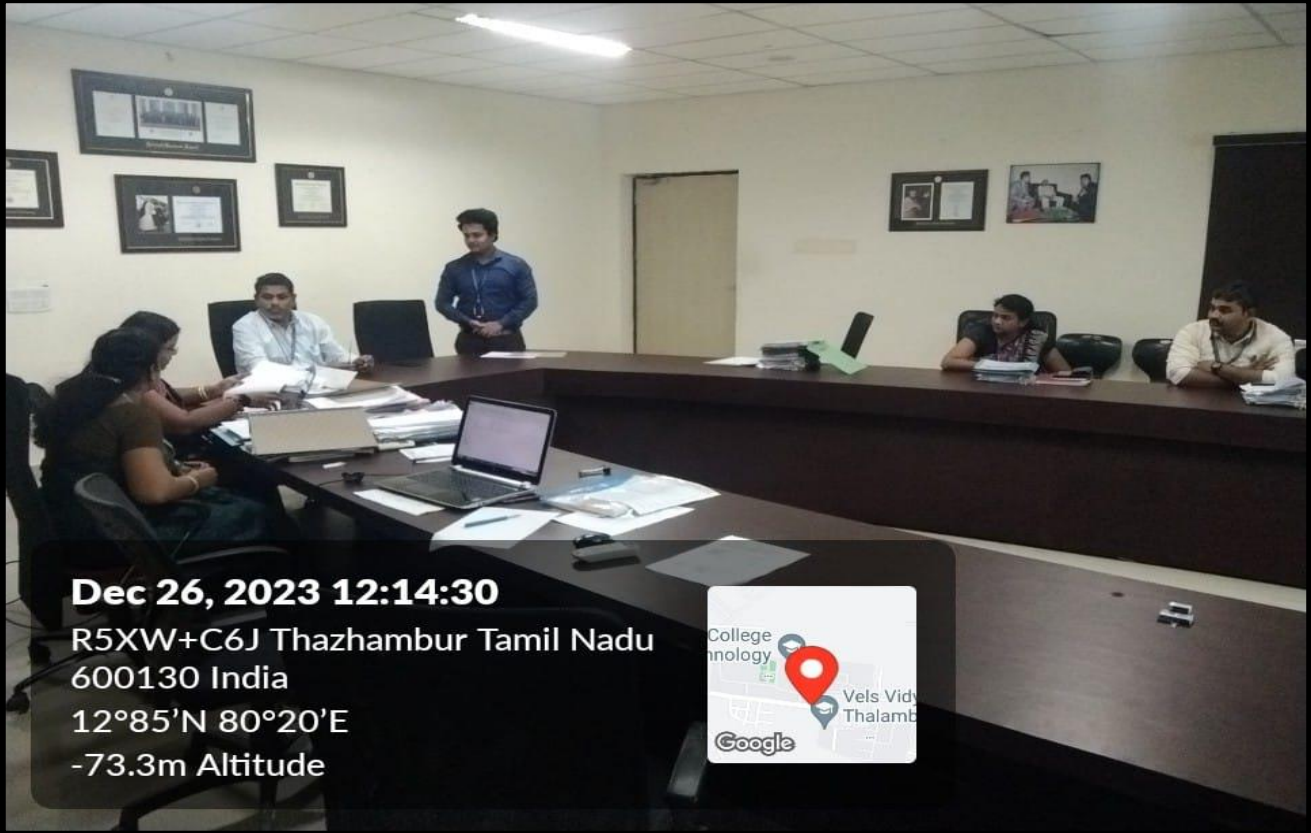
The Internal Quality Assurance Cell (IQAC) and the Department of Information Technology collaborated to conduct a seminar on **“Problem Based & Project Based Learning”** that was held in the ACT seminar hall. The resource person for the seminar was Dr. S. Geerthik, Associate Professor and Head of the Department of Information Technology. The faculty members from all the departments participated in the seminar.

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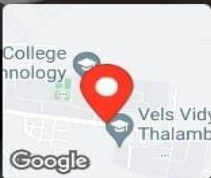
GALLERY



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Dec 26, 2023 12:14:30
R5XW+C6J Thazhambur Tamil Nadu
600130 India
12°85'N 80°20'E
-73.3m Altitude



The **Department Academic Review Meeting** was conducted for the Department of Artificial Intelligence and Data Science on December 26, 2023. Dr. Ishwarya M.V., Associate Professor and Head, presented the Department Academics to Dr. Srinivasan Alavandar, Principal, along with concerned faculty members & Dr. T. Anand, IQAC Coordinator. The department progress, curriculum coverage, IAT results, and previous-year Anna University result analysis were all reviewed with improvement recommendations.

DARM



The **Department Academic Review Meeting** was conducted for the Department of Chemical Engineering on 23th December 2023. Dr. P.Murugan., Associate Professor and Head presented the Department Academics to Dr. Srinivasan Alavandar, Principal, along with concerned faculty members & Dr. T. Anand, IQAC Coordinator. The department progress, curriculum coverage, IAT results, and previous-year Anna University result analysis were all reviewed with improvement recommendations.

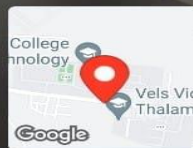
DARM



Dec 27, 2023 12:14:35

R5XW+C6J Thazhambur Tamil Nadu
600130 India

12°85'N 80°20'E
-73.3m Altitude



The **Department Academic Review Meeting** was conducted for the Department of Biomedical Engineering on 27th December, 2023. Dr. Sureka N, Head, Presented the Department Academics to Dr. Srinivasan Alavandar, Principal, along with concerned faculty members & Dr. T. Anand, IQAC Coordinator. The department progress, curriculum coverage, IAT results, and previous Anna University result analysis were all reviewed with improvement recommendation.

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IQAC SEMINAR SERIES

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DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
in collaboration with
INTERNAL QUALITY ASSURANCE CELL
Organizes A
SEMINAR
on
"MENTORING AND COACHING"

26.12.2023
8.30am to 10.00am
Seminar Hall, ACT

Resource Person
Dr. M.V. Ishwarya
Associate Professor & Head
Department of Artificial Intelligence
and Data Science

Co-ordinator
Mrs. J. Amala Preyadarchane
Asst.Prof / AIOIS

Co-Coordinator
Dr. T. Anand
IQAC, Coordinator

Dr. Srinivasan Alavandar
Principal



The Internal Quality Assurance Cell (IQAC), in collaboration with the Department of Artificial Intelligence and Data Science, conducted a seminar on **"MENTORING AND COACHING"** that was held in the ACT seminar hall. The resource person for the seminar was Dr. M.V. Ishwarya, Associate Professor, Head of the Department of Artificial Intelligence and Data Science, Agni College of Technology. The faculty members from all the departments participated in the seminar.

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GALLERY



R5XW+C6J MAIN BLOCK, AGNI COLLEGE OF TECHNOLOGY, Thazhambur, Tamil Nadu
600130, India

Latitude
12.8487109°

Longitude
80.1958889°

Local 08:45:04 AM
GMT 03:15:04 AM

Altitude 17 m
Tuesday, 26.12.2023



R5XW+C6J MAIN BLOCK, AGNI COLLEGE OF TECHNOLOGY, Thazhambur, Tamil Nadu
600130, India

Latitude
12.8487109°

Longitude
80.1958889°

Local 09:14:56 AM
GMT 03:44:56 AM

Altitude 17 m
Tuesday, 26.12.2023

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WORKSHOP

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DEPARTMENT OF INFORMATION TECHNOLOGY
In association with
Institution's Innovation Council (IIC)
Conduct

A WORKSHOP
on
"Design Thinking, Critical Thinking and Innovation Design"

Resource Person:
Mr. Ashkar Gomez
Founder at 7 Eagles, Growth Hacker

26.12.2023 1.00pm Smart Room, ACT

Dr. G.A. Senthil
IT Dept IIC Coordinator

Dr. S. Geerthik
IT Dept HOD

Dr. Srinivasan Alavandar
PRINCIPAL, ACT



The Department of Information Technology organized workshop for II-year IT students on the topic of **"Design Thinking, Critical Thinking and Innovation Design"** on 26-12-2023. The chief guest of the workshop was Mr. Ashkar Gomez, founder of 7 Eagles. The session was useful and created motivation among students to create their own websites and become entrepreneurs in the future.

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FACULTY ACHIEVEMENT

The International Journal of Advanced Manufacturing Technology
https://doi.org/10.1007/s00170-023-12657-7

ORIGINAL ARTICLE



Impact of CNT addition on surface roughness and dimensional characteristics of polymer nano-composite fabricated by FDM method

Vinayagam Mohanavel^{1,2,3} · Sathish Kannan^{1,4} · Mohan Ramar⁵ · Arul Kulandaivel⁶ · Asiful Hossian Seikh⁷ · Amjad Iqbal⁸

Received: 2 March 2023 / Accepted: 6 November 2023

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Abstract

Nowadays, companies frequently employ additive manufacturing or 3D-printing technologies to check the fitting, shape, and functioning of a planned product preceding design approval and implementation. As additive manufacturing does not require process design, jigs, fixtures, specialized tool path creation, etc., it minimizes the overall manufacturing duration as compared to traditional production. Fused deposition modeling is the kind of additive manufacturing technology that is most frequently employed in the industry. In order for fused deposition modeling to function, extrusion polymer from a nozzle that is preheated between the flow and melting temperature must be deposited layer after layer. The current experimental investigation examines the effect of carbon nanotube addition into the polylactic (PLA) polymer matrix using the fused deposition modeling technique. By combining polylactic acid with carbon nanotubes in the amounts of 0, 0.5, 1, 1.5, and 2 wt%, an innovative thermoplastic nanocomposite was created. Twin-screw extrusion was employed to create the composite filament. After the successful fabrication of nanocomposites, the effect of varying concentration nanotube addition on the microstructure, surface roughness, and dimensional accuracy of FDM parts was studied. With the incorporation of carbon nanotube, the surface roughness appeared to decrease along the building direction. To comprehend the dispersion of graphene in the PLA matrix and its effects on the study's parameters, these properties were examined.

Dr. Arul Kulandaivel, HoD, Department of Science and Humanities, has published a research paper, “Impact of CNT addition on surface roughness and dimensional characteristics of polymer nano-composite fabricated by FDM method” in The International Journal of Advanced Manufacturing Technology WoS Publications Q1 Ranking journal, Listed in Anna University Annexure-I Journal with Impact factor is 3.563.

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FACULTY ACHIEVEMENT



Dr. T. Anand, Professor and Head, Department of Mechanical & Automation Engineering, has been recognized by NPTEL as "NPTEL Super Star" during the period July - December 2023.

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FACULTY ACHIEVEMENT



Dr. T. Anand, Professor & Head, Department of Mechanical & Automation Engineering, has been recognized by NPTEL as "NPTEL Enthusiast" during the period July - December 2023.

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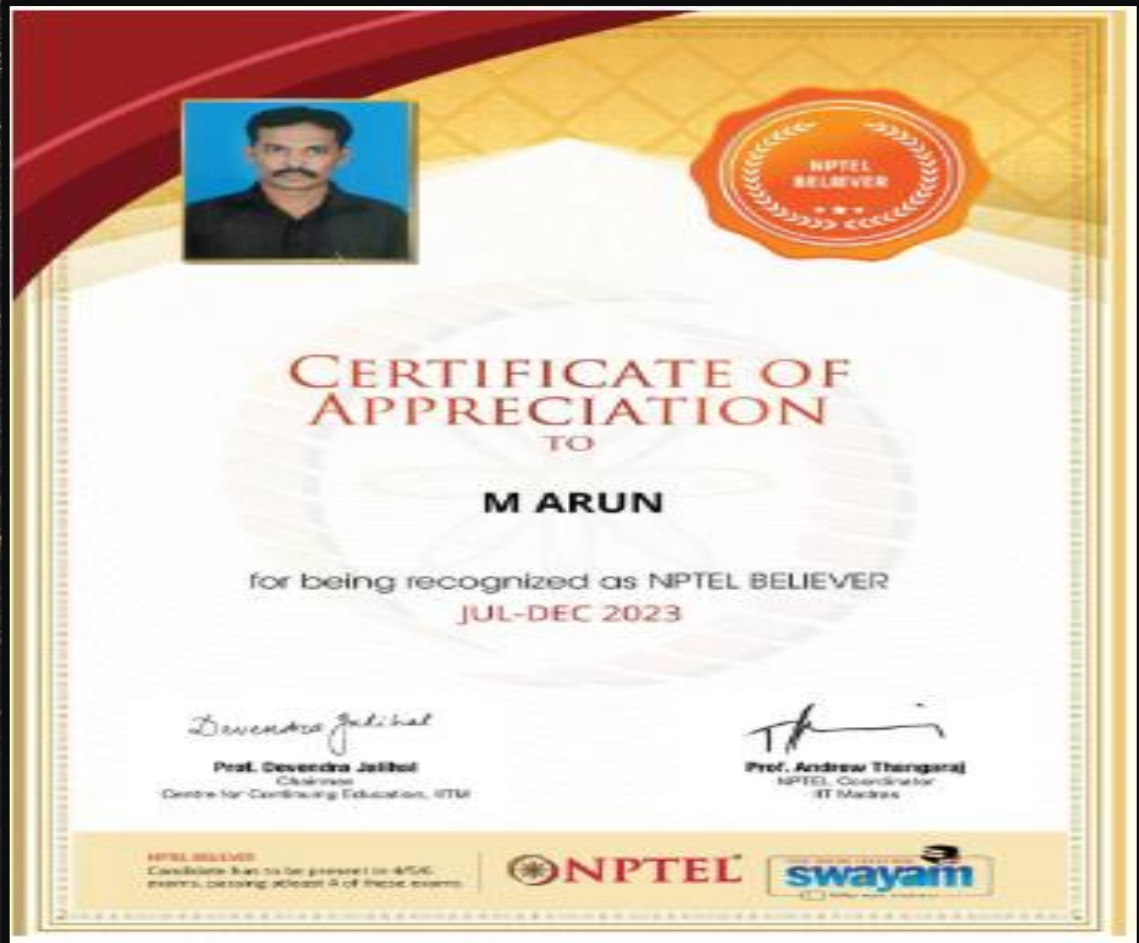
FACULTY ACHIEVEMENT



Mr. M. Arun, Assistant Professor, Department of Mechanical & Automation Engineering, has been recognized by NPTEL as "NPTEL Enthusiast" during the period of July - December 2023.

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FACULTY ACHIEVEMENT



Mr. M. Arun, Assistant Professor, Department of Mechanical & Automation Engineering, has been recognized by NPTEL as "NPTEL Believers" during the period of July - December 2023.

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FACULTY PARTICIPATION



Dr. A. Swaminathan, Associate Professor, Department of Science and Humanities (Mathematics), has participated and completed a 5-days virtual faculty development Program on “Automation & Analytics in Smart Healthcare,” organized by the Department of Biomedical Engineering, Jerusalem College of Engineering, Chennai, on 11-15 December 2023.

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FACULTY PARTICIPATION



Dr. C. Sridhathan, Associate Professor, and Dr. R. Ratheesh, Assistant Professor, Department of Electronics and Communication Engineering, participated in 5-days faculty development program on “Automation and Analysis in Smart Healthcare” from 11.12.23 to 15.12.23 at Jerusalem College of Engineering.

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FACULTY AND STUDENT PARTICIPATION



Mr.Ganesh Kumar K, Assistant Professor, along with Parthasarathy B J, Hemanath R, and Yogeshwara Rao U T, II-year students, Department of Mechatronics Engineering, have attended **Manak Manthan** on Cast Aluminum and its Alloy Ingots and Castings for General Engineering Purposes (IS 617:1994) conducted by the **Bureau of Indian Standards** on December 27, 2023.

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STUDENT PARTICIPATION



Congratulations

Dhanush Chakravarthy R

For successfully completing the

Viksit Bharat Quiz

Let us work together to make India a developed nation.

Thank you for being part of

Viksit Bharat Sankalp Yatra.



When the tricolor will be hoisted in 2047, then the world will be praising a developed India.

संकल्प यत्रा

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Dhanush Chakravarthy, III-year student of the Department of Computer Science and Engineering, has participated and successfully completed the **Viksit Bharat Quiz**.

STUDENT PARTICIPATION



Nivetha.R

For successfully completing the

Viksit Bharat Quiz

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Thank you for being part of

Viksit Bharat Sankalp Yatra.



When the tricolor will be hoisted in 2047, then the world will be praising a developed India.

Handwritten signature: Viksit Bharat

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Nivetha R, III-year student of the Department of Computer Science and Engineering, has participated and successfully completed the **Viksit Bharat Quiz**.

STUDENT PARTICIPATION



Congratulations

Sharmila B

For successfully completing the
Viksit Bharat Quiz
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developed nation.
Thank you for being part of
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in 2047, then the world will be
praising a developed India.

Handwritten signature in Devanagari script

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Sharmila B, III-year student of the Department of Computer Science and Engineering, has participated and successfully completed the **Viksit Bharat Quiz**.

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STUDENT PARTICIPATION



Congratulations

Vigneshwar S

For successfully completing the

Viksit Bharat Quiz

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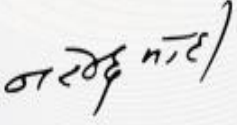
Thank you for being part of

Viksit Bharat Sankalp Yatra.



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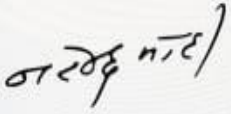
Vigneshwar S, III-year student of the Department of Computer Science and Engineering, has participated and successfully completed the **Viksit Bharat Quiz**.

STUDENT PARTICIPATION



Vignesh S

For successfully completing the
Viksit Bharat Quiz
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 developed nation.
 Thank you for being part of
Viksit Bharat Sankalp Yatra.




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 in 2047, then the world will be
 praising a developed India.

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 purpose for which it is intended. Any unauthorized
 use of this certificate is strictly prohibited.

S. Vignesh, II-Year student of the Department of Electronics and Communication Engineering, has successfully completed the **Viksit Bharat Quiz**.

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