

IGNITE 2024



A DAILY NEWSLETTER

Editor in Chief

Dr. Srinivasan Alavandar
Principal, ACT

Editors

Mr. K Balaji Sundharam, AP - S&H
Ms. S Indu, AP - BME
Mr. V Kothantapani, EEE-III rd
Year

PLACEMENT NEWS

CORE PLACEMENTS

COUNSELLING CODE
1316

2025
Batch



3 LPA

2
Offers

**iNex**

INEX MEDICAMENTS PRIVATE LIMITED

Designation: **MEDICAL TRAINEE**

Two final year students from **Biomedical Engineering** department got placed in the **iNex Medicaments Private Limited** as **Trainee** with a CTC of **3 LPA**. **iNex** is an Ethical prescription based company and majority of their products are featured in **ORG / C MARC REPORTS**.

STUDENTS ACHIEVEMENT



The students of Mechatronics, Naveen Kumar, fourth-year, Gopinath, third-year, Thirumaran and Gopinath, second-year were appreciated by our Principal Dr. Srinivasan Alavandar for securing the runner-up position in the Anna University zonal Kho-Kho match.

BE AN ACTIONeer, Aspire To BE the BEST

STUDENT ACHIEVEMENT



M. Rupika (IT), a first-year student in the Department of Science and Humanities, has successfully completed the online courses on “Statistical Analysis, Introduction to Machine Learning and KNN Algorithm” provided by Great Learning Academy in the month of September 2024.

STUDENT ACHIEVEMENT



CERTIFICATE OF COMPLETION

Presented to

Sri Durga K

For successfully completing a free online course
Python Basic Programs

Provided by

Great Learning Academy

(On September 2024)

K. Sri Durga (IT), a first-year student in the Department of Science and Humanities, has successfully completed the online course on **“Python Basic Programs”** provided by Great Learning Academy in the month of September 2024.

BE AN ACTIONeer, Aspire To BE the BEST

STUDENT ACHIEVEMENT



G. Neviya (IT), a first-year student in the Department of Science and Humanities, has successfully completed the online course on **“Algorithms in C”** provided by Great Learning Academy in the month of September 2024.

BE AN ACTIONeer, Aspire To BE the BEST

STUDENT ACHIEVEMENT



P. Vijayalakshmy (IT), a first-year student in the Department of Science and Humanities, has successfully completed the online course on “**Data Science Foundations**” provided by Great Learning Academy in the month of September 2024.

BE AN ACTIONeer, Aspire To BE the BEST

STUDENT ACHIEVEMENT



CERTIFICATE OF COMPLETION

Presented to

SRINITHI B

For successfully completing a free online course
Python Fundamentals for Beginners

Provided by

Great Learning Academy

(On October 2024)

B. Srinithi (IT), a first-year student in the Department of Science and Humanities, has successfully completed the online course on **“Python Fundamentals for Beginners”** provided by Great Learning Academy in the month of September 2024.

BE AN ACTIONeer, Aspire To BE the BEST

STUDENT PARTICIPATION



Srinivasan.K, Gowtham.K, second-Year Students, Department of Civil Engineering have participated in the **Part Tech Challenge** organized by department of Mechanical and Automation Engineering at Sri Sairam Engineering College, Chennai on 23th October 2024.

STUDENT PARTICIPATION



Mr. Tarun Kumar, a second-year student in the Department of Computer Science and Engineering, has successfully completed the online certification course titled, “**Data Structure–C–Course(Hands-on)**”, provided by **Skill Rack** on **17th October 2024**.

BE AN ACTIONeer, Aspire To BE the BEST

STUDENTS PARTICIPATION



Mr. Mohan Raj R, Mr. Praveen A, Mr. Tarun M & Ms. Sowmya R, third-year students in the Department of Computer Science and Engineering, has participated the workshop titled "3D printing Workshop" at Sairam Engineering College, Chennai on 23 rd October 2024.

FACULTY ACHIEVEMENT

710081113

THE GAZETTE OF INDIA – EXTRAORDINARY (PART II – Sec 3(n))

FORSETI
THE PATENT ACT 1970
(39 of 1970)
The Patents Rules, 1983
PROVISIONAL COMPLETE SPECIFICATION
(See Section 10 and Rule 12)
COMPLETE

BIOMEDICAL IoT SOLUTION FOR REMOTE MONITORING OF SLEEP
DISORDERS

I. APPLICANT
(a) NAME: Dr. ISHWARYA M. V., P. R. AJITHA, Dr. N. MOHANKUMAR, PRAMOD K
PANDEY, BHARAT TIDKE, S. MURUGAN, C. SRINIVASAN

The following specification particularly describes the invention
and the manner in which it is to be performed

Field of Invention

To identifying and treating sleep-related problems it is an innovative in healthcare technology. Patients and doctors alike may benefit from the novel insights provided by this system's use of biomedical IoT technology for remote data collection and analysis pertaining to sleep. Wearable sleep monitoring devices with specialized sensors are at the heart of this approach. Important sleep metrics including heart rate, breathing patterns, body movements, and phases of sleep are continuously recorded by these devices. An encrypted analytics platform in the cloud receives the data in real-time using wireless connection protocols like Bluetooth or Wi-Fi. Data processing, storage, and analysis all take place on the cloud-based platform. The sleep data is analyzed using advanced data analytics to find important trends and patterns. Healthcare providers and patients alike may use the interactive interface to get detailed information on sleep quality, individualized treatment plans, and useful insights. Healthcare practitioners may respond swiftly when sleep abnormalities are detected and diagnosed early via continuous monitoring capabilities. In the event of any abnormalities or possible symptoms, automated notifications will warn both the healthcare providers and the users, allowing for quick response. The system's compatibility with EHRs guarantees seamless communication with preexisting healthcare infrastructure. There are a lot of advantages to this technology. It includes better patient participation, earlier diagnosis, individualized treatment regimens, and remote patient care. This might change the game for sleep healthcare and patients in general by offering a data-driven, patient-centric, and scalable method of diagnosing and treating sleep disorders.

Title Page

19-Oct-2024/124856/202441076889 Form 2 (Title Page)

10/10/2024 15:09

PATENT OFFICE CHENNAI 14/10/2024 15:09

Dr. Ishwarya M.V., Associate Professor and Head of the Department of Artificial Intelligence and Data Science, has Filed and published for a patent titled, “BIOMEDICAL IOT SOLUTION FOR REMOTE MONITORING OF SLEEP DISORDERS” , Application Number: 202441076889 on 24th October 24.

FACULTY ACHIEVEMENT

Ishwarya, M.V.

26 documents

Export all Save all to list

Article

Deep learning-guided femtosecond laser processing in optical materials and devices for nano fabrication advancements

Mohanavel, V., Gandhinathi, G., Bhudraj, D., ... Ishwarya, M.V., Ali, M.

Optical and Quantum Electronics, 2024, 54(2), 218

Show abstract Related documents

1

Citations

> View list in search results

> View references

> Set documents alert

Author Position

Check access through
position.

Conference Paper

Advancing Patient Care for Autonomous Saline Level Alert System with Cloud-Based Isolation Forest Algorithm

Nandhini, R., Sumathi, G., Ramya, S., ... Ishwarya, M.V., Marugan, S.

5th International Conference on Electronics and Sustainable Communication Systems, ICESc 2024 - Proceedings, 2024, pp. 700-704

Show abstract Related documents

0

Citations

First author + %

Last author + %

Co-author + %

Corresponding author + %

Book Chapter

MACHINE LEARNING FOR MEDICAL IMAGES

Gopinath, N., Arund, M.S., Ishwarya, M.V.

Computational Imaging and Analytics in Biomedical Engineering: Algorithms and Applications, 2024, pp. 95-104

0

Citations



Dr. Ishwarya M.V., Associate Professor and Head of the Department of Artificial Intelligence and Data Science has presented and published a paper titled “Advancing Patient Care for Autonomous Saline Level Alert System with Cloud-Based Isolation Forest Algorithm” in IEEE 5th International Conference on Electronics and Sustainable Communication Systems, (ICESC), INDEXED by Scopus on 24th October 2024.

BE AN ACTIONeer, Aspire To BE the BEST

FACULTY ACHIEVEMENT



The screenshot shows the top portion of a research paper page from IOPscience. The header includes the IOPscience logo and the journal title 'Engineering Research Express'. The paper title is 'Comparative analysis of submodules and design of seventeen-level modular multilevel converter using a five-level submodule block'. The authors listed are Anuja Prashant Diwan, Booma Nagarajan, and Venmathi Mahendran. The publication date is 23 October 2024. A portrait of Ms. Anuja Prashant Diwan is visible on the right side of the paper preview.

Engineering Research Express

PAPER
Comparative analysis of submodules and design of seventeen-level modular multilevel converter using a five-level submodule block

Anuja Prashant Diwan¹, Booma Nagarajan² and Venmathi Mahendran³

Published 23 October 2024 • © 2024 IOP Publishing Ltd. All rights, including for text and data mining, training, and similar technologies, are reserved. [Engineering Research Express, Volume 6, No. 10, Focus issue on Advances in Long-Duration Energy Storage Technologies and their Applications](#)

Citation Anuja Prashant Diwan et al 2024 *Engineering Research Express* **6** 045322
DOI 10.1088/2631-8695/ad8726

Ms. Anuja Prashant Diwan, Assistant Professor, the Department of Electrical and Electronics Engineering has published a paper titled **"Comparative Analysis Of Submodules And Design Of Seventeen- Level Modular Multilevel Converter Using A Five-Level Submodule Block"** in the scopus indexed journal - Engineering Research express on 23rd October 2024 .

BE AN ACTIONeer, Aspire To BE the BEST

FACULTY ACHIEVEMENT



This badge was issued to [PRINSLIN L Assistant Professor - CSE](#) on October 15, 2024

[View celebrations](#)



AWS Academy Educator

Issued by [Amazon Web Services Training and Certification](#)

Earners of this badge are a member of

[Learn more](#)

Skills



Mrs. Prinslin L, Assistant Professor, Department of Computer Science and Engineering, received a **AWS Academy Educator badge** issued by **Amazon Web Services** on **15th October 2024** as **ACT** is now the **member institute** of AWS Academy.

TRAINING AND PLACEMENT



Mrs. Dhanabhavithra K, & Mrs. Pandi Selvi G, Assistant Professor, Department of AI&DS, mentored the fourth –year students, AIDS and conducted the **Group Discussion on various topics (Online education vs Offline education, Impact of Social Media) in **Soft skills Training Program**.**

BE AN ACTIONeer, Aspire To BE the BEST

PLACEMENT AWARENESS



Mohamed Halith S and Mokeshwar P, fourth-year Students AIDS, have given an Orientation for the third-year students regarding the awareness on placement and trainings on 24th October 2024.

BE AN ACTIONeer, Aspire To BE the BEST

MOCK INTERVIEW- PLACEMENT TRAINING



The final-year **Biomedical Engineering** students took part in the mock HR interview as a part of their placement training on 25th October 2024. The session focused on building confidence, improving interpersonal skills, and preparing them for real interview scenarios.

BE AN ACTIONeer, Aspire To BE the BEST

GROUP ACTIVITY



Mrs. Remya O C, Assistant Professor, the Department of Electrical and Electronics Engineering, conducted a group discussion on the potential of renewable and non-renewable energy resources in India for the final-year students on 24th October 2024.

BE AN ACTIONeer, Aspire To BE the BEST

CLUB ACTIVITY

BE AN ACTIONeer, Aspire To BE the BEST

Agni College of Technology
(AN AUTONOMOUS Institution)
Accredited by NBA, NAAC with A+ Grade, Estd.2001. Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai
OMR, Chennai ☎ 044 4997 2900 ☎ 94450 54081 📠 81221 24081 | www.act.edu.in

**Department of
Electrical and Electronics Engineering
and
Entrepreneurship Development Cell
Organizes
INAUGURAL FUNCTION OF
ENGLISH LITERARY CLUB**


Resource Person:
M.P JOHN BRITTO M.A., M.Phil., M.Ed.
Corporate English Trainer

**24.10.2024
11.00 AM
Seminar Hall
Agni college of Technology**

Mrs Remya O C
Event Organizer

Mr. M. Aravindan
HoD (I/C) - EEE

Dr. T. Anand
Dean / Academics

Dr. A. Kalaimurugan
Dean / Administration

Dr. Srinivasan Alavandar
PRINCIPAL/ACT

The Department of Electrical And Electronics Engineering in association with the Entrepreneurship Development Cell has organized an Inaugural function “English Literary Club “on 24th October 2024. All the EEE students were attended the event. **Dr. A. Kalaimurugan, Dean/Admin, Dr. T Anand, Dean/academics and Mr. M. Aravindan, HoD i/c** preceded the event. Mrs Remya O C was the organizer of the event.

GALLERY



BE AN ACTIONeer, Aspire To BE the BEST

COUNSELLING SESSION WITH EXPERT



The final-year students attended a counselling session with Mr. M.P John Britto, Corporate English Trainer, with a motive of enhancing their English communication skills on 24th October, 2024.

BE AN ACTIONeer, Aspire To BE the BEST

PARENTS - TEACHER MEETING



The Department of Biomedical Engineering conducted a Parent-Teachers Meeting. Dr. Sureka N, Assistant Professor/HOD and Subject handling faculties have discussed and shared their feedback about the ward's academic performance for better improvement

BE AN ACTIONeer, Aspire To BE the BEST

REMEDIAL COACHING CLASS



Dr. Ishwarya M.V., Associate Professor and Head of the Department of Artificial Intelligence and Data Science conducted a Remedial Coaching classes for the second-year AIDS hostel and day-scholar students, the subject “Database Design & Management, AD 3391” on 24th October.

BE AN ACTIONeer, Aspire To BE the BEST

REMEDIAL COACHING CLASS



Mrs. S R Vinotha, Assistant Professor, Department of AI&DS conducted a Remedial Coaching classes for the third-year AIDS hostel and day-scholar students, the subject “Data and Information Security, CW3551” on 24th October 24.

BE AN ACTIONeer, Aspire To BE the BEST