

IGNITE 2023



A DAILY NEWSLETTER

Editor in Chief

Dr. Srinivasan Alavandar Principal, ACT **Editors**

Ms N Dhivya, AP - S&H Ms S Archana AP - EEE Mr.V Kothantapani - EEE II Year

BE AN ACTioneer, Aspire To BE the BEST

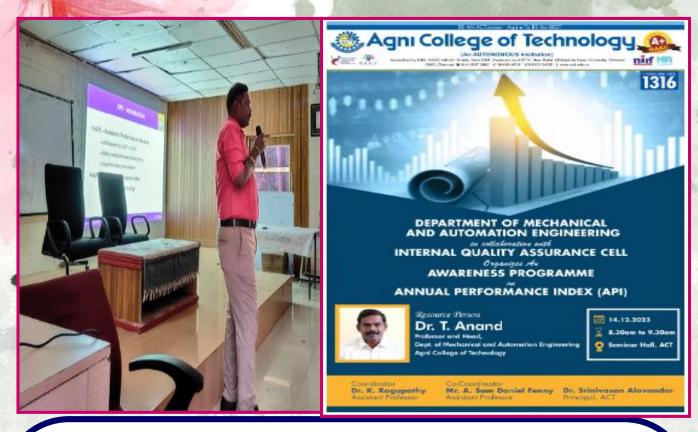








IQAC SEMINAR SERIES



An awareness program on "Annual Performance Index" was organized by the department of Mechanical and Automation Engineering with the collaboration of the Internal Quality Assurance Cell (IQAC) and took place in the seminar hall of ACT. The resource person for the seminar was Dr. T. Anand, Professor and Head, Mechanical and Automation Engineering, Agni College of Technology. The faculty members from all the departments participated in the seminar.

BE AN ACTioneer. Aspire To BE the BEST



Agnı College of Technology

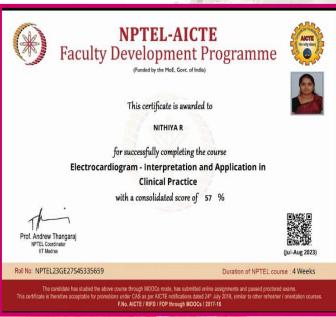
AT NAAC





FACULTY ACHIEVEMENT





Mrs. Nithiya R., Assistant Professor, Department of Biomedical Engineering, has successfully completed the NPTEL Certification 4-week course on "Electrocardiogram - Interpretation and **Application in Clinical Practice**" with an aggregate score of 57%.

BE AN ACTioneer, Aspire To BE the BEST

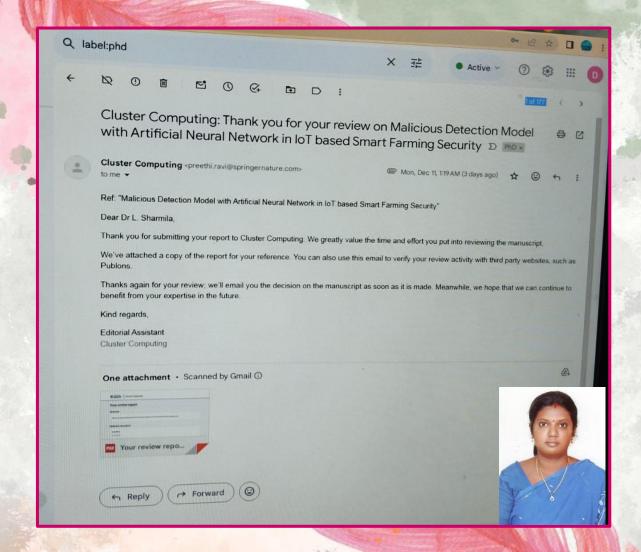








FACULTY ACHIEVEMENT



Dr.L. Sharmila, Professor and Head, Department of CSE, reviewed a research paper "Cluster in Computing" (Springer, SCIE iournal) on December 11, 2023.

BE AN ACTioneer, Aspire To BE the BEST



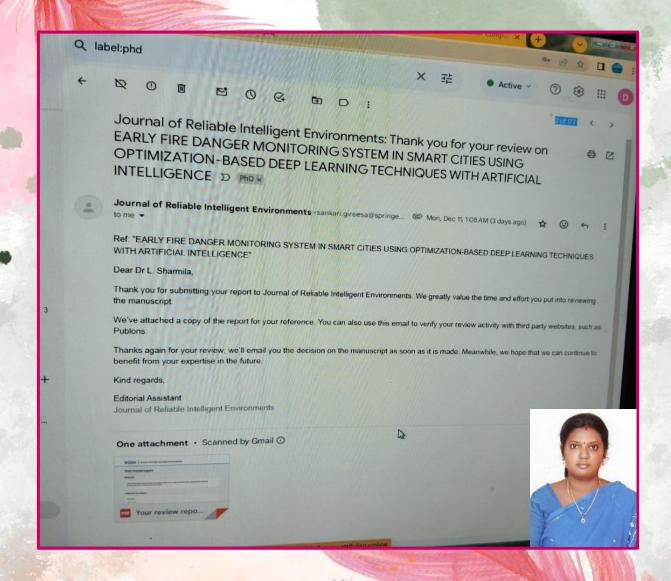
Agnı College of Technology







FACULTY ACHIEVEMENT



Dr.L. Sharmila, Professor and Head, Department of CSE, has **reviewed** a research paper in the **"Journal of Reliable Intelligent Environments"** (Springer, Scopus journal) on December 11, 2023.

BE AN ACTioneer, Aspire To BE the BEST



Agnı College of Technology

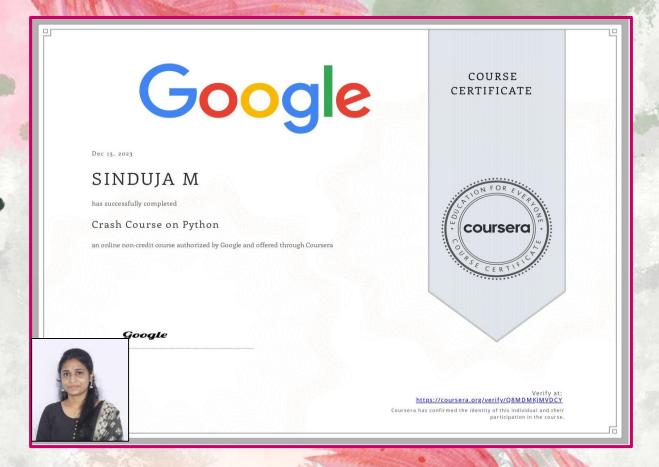
A H







FACULTY ACHIEVEMNET



Ms.M.Sinduja, Lab Assistant, Department of Information Technology, has completed an online course in "Crash Course on Python," organized by Google on December 13, 2023.

BE AN ACTioneer, Aspire To BE the BEST



Agnı College of Technology

A + NAAC











CERTIFICATE

This is to certify that

Dr .B.Dhanasakkaravarthi

Agni college of technology

has Successfully participated & completed

1 WEEK FACULTY DEVELOPMENT PROGRAM ON MACHINE LEARNING

organised by NSMS Institute of Pharmacy in association with Pantech E Learning conducted on 20th November to 25th November 2023



S. Cronain

Soukat Garain





Senthil Kumar M R

Certificate No:

PEL-FDP-ML-109

Dhanasakkaravarthi, AP, Mechanical В. Engineering, has successfully participated in and completed the Faculty Development Program on "Machine Learning" from November 20th to 25th, 2023.

BE AN ACTioneer, Aspire To BE the BEST



Agnı College of Technology













CERTIFICATE OF COMPLET

PEL-FDP-ML-369

This is to certify that

Dr .Dhanasakkaravarthi. B

AGNI COLLEGE OF TECHNOLOGY

has Successfully participated & completed

I WEEK FACULTY DEVELOPMENT PROGRAM ON IOT with MACHINE LEARNING

organised by PVKK Institute of Technology in association with Pantech E Learning

From 27-11-2023

V. Venkateswara Reddy Convenor PVKK Institute of Technology

Dr.M.Venkata Sreeraj HOD - ECE PVKK Institute of Technology Dr.Bandi Ramesh Babu

Principal PVKK Institute of Technology Pantech e Learning Pvt. Ltd.

Mr. Senthil Kumar M R Director- Technical.

Dr. **Dhanasakkaravarthi**, AP, Mechanical Engineering, has successfully participated in and completed the Faculty Development Program on "IOT with Machine Learning" from November 27 to December 2, 2023.

BE AN ACTioneer, Aspire To BE the BEST



Agnı College of Technology









Mrs.L.Prinslin, Assistant Professor from the Department of Computer Science and Engineering, has participated in the NPTEL E-Awareness workshop conducted by NPTEL Coordinator IIT Madras on December 12, 2023.

BE AN ACTioneer, Aspire To BE the BEST



Agnı College of Technology

A+









Mrs. A. Suganya, Assistant Professor from the Department of Computer Science and Engineering, has participated in the NPTEL E-Awareness workshop conducted by NPTEL Coordinator IIT Madras on December 12, 2023.

BE AN ACTioneer, Aspire To BE the BEST













Mr. G. Praveen Kumar, Assistant Professor from the Department of Computer Science and Engineering, has participated in the NPTEL E-Awareness workshop conducted by NPTEL Coordinator IIT Madras on December 12, 2023.

BE AN ACTioneer, Aspire To BE the BEST



Agnı College of Technology







Approved by AICTE / UGC, New Delhi, Accredited by NAAC & NBA, Affiliated to Anna University, Chennai. ISO 9001:2015 Certified Institution: Estd.2001

OMR, Thalambur, Chennai - 600 130. Phone: © 044 6740 9441 Mobile: 9445024081 www.act.edu.in







faculty members of the Information Technology have participated in 6-day **Faculty** Department Development Program on "CS3352 - Foundation of Data Science" conducted by Anna University at Velammal Engineering College from 09-10-2023 to 14-10-2023.

BE AN ACTioneer, Aspire To BE the BEST



Agnı College of Technology













The faculty members of the Information Technology Department have participated in 6-day Faculty Development Program on "CS3352 - Foundation of Data Science" conducted by Anna University at Velammal Engineering College from 09-10-2023 to 14-10-2023.

BE AN ACTioneer, Aspire To BE the BEST



Agnı College of Technology

A +)
NAAC





Approved by AICTE / UGC, New Delhi, Accredited by NAAC & NBA, Affiliated to Anna University, Chennai. ISO 9001:2015 Certified Institution: Estd.2001

OMR, Thalambur, Chennai - 600 130. Phone: ©044 6740 9441 Mobile: 9445024081 www.act.edu.in



STUDENT ACHIEVEMENT



CERTIFICATE

OF COMPLETION

this certificate is proudly presented to:

G.B. KIRTHICKLOCHAN



For completing the 1-Day **PowerBI** Workshop conducted on **6th December 2023**





G. B. Kirthicklochan, a third-year student in the Department of Mechatronics Engineering, successfully completed a **Power BI workshop** on December 6, 2023, provided by **be10X** Educational Platform. He understood the features and capabilities of Power BI and how to effectively use them to derive meaningful insights from data and develop skills for day-to-day professional life.

BE AN ACTioneer, Aspire To BE the BEST



Agnı College of Technology

A+ NAAC





SOP DISCUSSION MEETING



Dr. Sureka N, Head, Department of Biomedical Engineering, addressed second-year class in charge and subject handling faculty members to discuss the "Standard Operating Procedures" to be followed for II-year coaching classes from December 14th to December 28th, 2023.

BE AN ACTioneer, Aspire To BE the BEST



Agnı College of Technology





Approved by AICTE / UGC, New Delhi, Accredited by NAAC & NBA, Affiliated to Anna University, Chennai. ISO 9001:2015 Certified Institution: Estd.2001

OMR, Thalambur, Chennai - 600 130. Phone: © 044 6740 9441 Mobile: 9445024081 www.act.edu.in

DEPARTMENT MEETING



Dr. Arul Kulandaivel, Head of the Department of Science and Humanities, conducted the faculty member meeting in the physics lab on 12.12.2023. The agenda of the meeting includes the preparation of necessary files for the DARM meeting, the effective conduct of coaching classes and university practical exams, portion completion for IAT-II, parent-teacher meetings, university question banks, skill rack training, lab completion, and mentor files.

BE AN ACTIONAGE Aspire To BE the BEST



Agnı College of Technology

A+





IGNITE

DEPARTMENT MEETING



Dr. S. Geerthik, Head of the IT Department, conducted a department meeting with IT faculty members on December 14-12-2023 and discussed API, Faculty Publication, Student Academics, and on-going II-year coaching class status.

BE AN ACTioneer, Aspire To BE the BEST



Agnı College of Technology

AH NAAC





CLASS COMMITTEE MEETING



The Department of Civil Engineering held a class committee meeting for II-year students on December 13, 2023. Mrs. R. Beaula Jasmine, Head, addressed and documented the students grievances, syllabus coverage, and also suggested effective ways to use the coaching class.

BE AN ACTIONAGE Aspire To BE the BEST



Agnı College of Technology

A+







STUDENT REPOSITORY











Jeron Jeba Jose J., a second-year student in the Department of Mechatronics Engineering, has expressed his fine talent for **Scratch-Built** using foam boards and developing fantastic models for automobiles with his creativity skills.

BE AN ACTIONOGY Aspire To BE the BEST



Agnı College of Technology

A+ NAAC







STUDENT ACTIVITY

```
1 LINEAR RELATIONSHIP:
                                           * Y= a + b X + 4
                                         2- MULTIME LINEAR REURESSION:
   * Y=mx+b -0
                                                                                  9 COMPUTE THE STANDARD ERROR OF ESTIMATE
Where,
                                        # Y = a+b, x, +b, x2+b3x3+...+b, x, +M
·m - glope
                                                                                   # SEE # STANDARD DEVIRTION
                                         A SIMPLE NONLINEAR REMRESSION IS EXPRE
· bay intercept
                                                                                           V number of measurements.
                                        AS, * Y=f(x,B)+E
n this equation, X and 4 are two variaties
much are related by the parameters my b
                                        5-LEAST SQUARE REGRESSION LINE
 * m = (Y2-Y1)/(x2-x1)-2
                                                                                  WHERE SSY = 2 (4'-4)
                                            Y'= bx + a
                                         To Solve For b. b= r Ssy ->()
 COMPUTATIONAL FORMULA FOR CORRELATION
                                                                                 II CALCULATE R- SQUARED
                                                                                  r=[(n$zy-($x)($y)/(vn$z-($x)*
                    -> Where, two
                                        & STANDARD FRADE OF ESTIMATE (SEE):
Sum of Aquate terms indenominator are,
                                                                                 12-MULTIRE REMRESSION EQUATION !
 SSX= 1 (x- 2)2= 5 x2-(2 x) ->(2)
                                                                                  * Y= mx, +mx2 +mx2+b
$5y=2(y-y)= 2y= (2y)2-18
                                        STANDARD ERFOR OF ELTIMATE (COMPUTATIO
                                        FORMULA) IS ONVEN AS.
                                                                                 15 THELERST SOURED PEURESHON ESUPTON
THE SUMBE PRODUCTS IN NUMBER ATON, SPRY, IS
                                          Sylv = \( \frac{95}{y(1-r^2)} \rightarrow (2) \\ \text{Where, $5y} \)
                                                                                  * Y=bx+a
n Spay= 2(x-x)(y-1)=2xy-(xxxx)
                                        is the sum of the squares for y scores
                                                                                   · y represents the predicted value
CALCOLATION OF THE COMPUTATION
                                         SSy= * (Y-9)= 24-(2x) ->0)
                                                                                   . X PERHEARTH The Knowled Staller
                                       STANDARD DEVIATION FOR MULA FOR POPULATION
                                                                                   · a and b mepherinte numerous
        n(£14) - (£1)(14)
                                                                                    consisted from the original
                                                                                      convertation or style
       (n22-(12)+(n24+24))
```

AL Razina Jafeena T. and Chandini R. II year students from the Department of Computer Science and Engineering have done an activity on describing data and describing relationships in the subject Foundation of Data Science on 13.12.2023.

BE AN ACTioneer, Aspire To BE the BEST







