



# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University, Chennai / Accredited by NAAC & NBA)

(An Autonomous Institution)

Dindigul – Palani Highway, Dindigul 624 002

## INTERNAL QUALITY ASSURANCE CELL - IQAC

### Department of Artificial Intelligence and Machine Learning

#### Abstract on the Department Level Data

Academic Year: 2025 -26

Semester: ODD

| S. No | Details                                                              | Count |
|-------|----------------------------------------------------------------------|-------|
| 1     | Faculty Count                                                        | 3     |
| 2     | No. of Non-Teaching Faculty                                          | 0     |
| 3     | No. of Doctorates                                                    | 1     |
| 4     | No. of Faculty Pursuing Ph.D.,                                       | 2     |
| 5     | No. of Research Supervisor                                           | 1     |
| 6     | Total No. of Publications                                            | 3     |
| 7     | No. of Events Organized                                              | 4     |
| 8     | No. of VAC Offered                                                   | 1     |
| 9     | No. of Industrial Visit made                                         | 3     |
| 10    | No. of Active MoUs                                                   | 1     |
| 11    | No. of Events in which students participated in outside Institutions | 2     |
| 12    | No. of the Faculty with FDP Participation (5 Days)                   | 3     |

PRINCIPAL



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### Department of Artificial Intelligence and Machine Learning

#### Faculty Publications

(All Peer – Reviewed Journals from 2025 June to Till Now)

Academic Year: 2025 -26

Semester: ODD

| S. No | Name of the Faculty | No. of Publications |
|-------|---------------------|---------------------|
| 1     | Dr. K. Vinoth Kumar | 3                   |

#### List of Publications in APA Style:

1. Senthilkumar, V. M., Nirmala, R., Satish Kumar, R., & Vinoth Kumar, K. (2025). Enhanced low power FinFET-based flash ADC design for high-speed electronics applications. *Technical Gazette*, 32(2), 466–473. <https://doi.org/10.17559/TV-20240801001895>
2. Rajakani, V., Vinoth Kumar, K., Sridevi, A., & Prathap, N. (2025). Gannet optimization algorithm with attention enhanced deep learning for intrusions detecting in IoT. *Technical Gazette*, 32(4), 1390–1397. <https://doi.org/10.17559/TV-20250308002449>
3. Senthilkumar, V. M., Kalaiselvi, K., Umadevi, K., & Vinoth Kumar, K. (2025). Performance enhanced penta-MTJ based logic gates using FinFET for low power and high-speed applications. *Technical Gazette*, 32(5), 1896–1901. <https://doi.org/10.17559/TV-20250103002231>



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## INTERNAL QUALITY ASSURANCE CELL - IQAC

### Department of Artificial Intelligence and Machine Learning

#### Departmental Events

Academic Year: 2025 -26

Semester: ODD

| S. No | Date                 | Event Details                       |
|-------|----------------------|-------------------------------------|
| 1     | 28.07.2025           | STUDENTS ORIENTATION PROGRAM        |
| 2     | 09.08.2025           | EXPLORING THE WORLD OF AI - SEMINAR |
| 3     | 01.9.2025 - 9.9.2025 | GEN-AI HACKATHON                    |
| 4     | 22.09.2025           | ASSOCIATION INAUGURAL               |
| 5     | 22.09.2025           | GATEWAY TO SUCCESS - SEMINAR        |

#### Glimpses of Events Details

##### 1) STUDENTS ORIENTATION PROGRAM



## 2) EXPLORING THE WORLD OF AI - SEMINAR



## 3) GEN-AI HACKATHON



#### 4) ASSOCIATION INAUGURAL



## 5) GATEWAY TO SUCCESS – SEMINAR





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### Department Of Artificial Intelligence and Machine Learning

#### Details of VAC Offered

Academic Year: 2025 -26

Semester: ODD

| S. No | Class and Branch | Details of VAC offered                                                                                                             | Period<br>(Date: From – To)     |
|-------|------------------|------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| 1     | II – AI&ML       | <b>Networking Essentials</b> - Dr N.A Natraj,<br>Assistant professor, SIDTM, Symbiosis<br>International (Deemed University), Pune. | 06.10.2025<br>To<br>11. 10.2025 |

#### Glimpses of VAC II Year AI&ML

An engaging Value Added Course session focused on skill enhancement.



Hands-on laboratory session conducted as part of the Value Added Course.



Group photograph of students and faculty after the successful completion of the Value Added Course.





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### Department of Artificial Intelligence and Machine Learning

#### Details of Industrial Visits

Academic Year: 2025 -26

Semester: ODD

| S. No | Class / Branch | Place of Visit        | Date of Visit |
|-------|----------------|-----------------------|---------------|
| 1     | II/AI&ML       | Kevell corp,Madurai   | 29/07/2025    |
| 2     | II/AI&ML       | Hitasoft, Madurai     | 23/08/2025    |
| 3     | II/AI&ML       | Nestsoft,Kochi,Kerala | 25/10/2025    |

#### Glimpses of the Industrial Visits

(Photo Proofs with captions)

1) Kevell corp, Madurai



## 2) Hitasoft, Madurai



## 3) Nestsoft, Kochi, Kerala





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## INTERNAL QUALITY ASSURANCE CELL - IQAC

### Department of Artificial Intelligence and Machine Learning

#### Details of Active MoUs

Academic Year: 2025 -26

Semester: ODD

| S. No | MoU Signed Company - Details | Date of MoU Signed | Validity of MoU (Period) |
|-------|------------------------------|--------------------|--------------------------|
| 1     | Assistlana, Puducherry       | 22/09/2025         | 3 Years                  |

#### Glimpses of MoU Signed ceremony





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## INTERNAL QUALITY ASSURANCE CELL - IQAC

### Department Of Artificial Intelligence and Machine Learning

#### Student Achievements (Excluding Sports)

Academic Year: 2025 -26

Semester: ODD

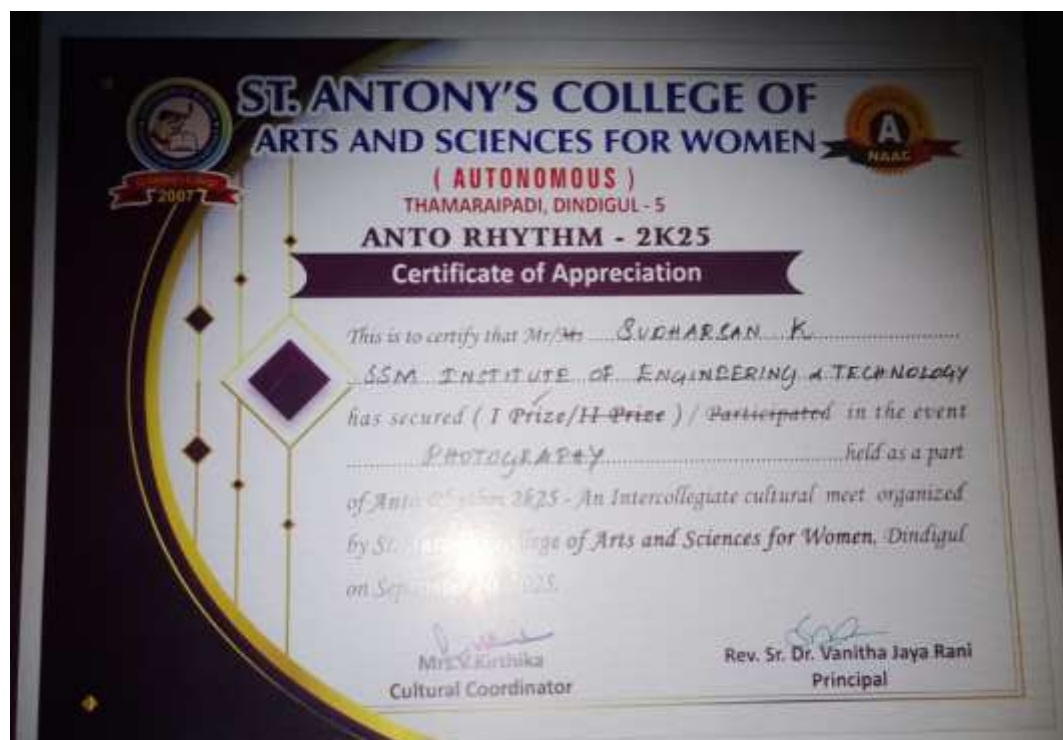
| S. No | Name of the Student   | Class / Branch | Details of Achievements<br>(Other Institution Participation)                  |
|-------|-----------------------|----------------|-------------------------------------------------------------------------------|
| 1     | MOHAMED KARIB NAVAS A | II/AI&ML       | Paper Presentation at Chettinad College of Engineering and Technology , Karur |
| 2     | GOKULAKRISHNAN K      | II/AI&ML       | Paper Presentation at Chettinad College of Engineering and Technology, Karur  |
| 3     | SUDHARSAN K           | II/AI&ML       | Paper Presentation at Chettinad College of Engineering and Technology, Karur  |
| 4     | HEMALATHA DM          | II/AI&ML       | Paper Presentation at Chettinad College of Engineering and Technology, Karur  |
| 5     | SAI HARINI V          | II/AI&ML       | Paper Presentation at Chettinad College of Engineering and Technology, Karur  |
| 6     | SINDHUSHA K           | II/AI&ML       | Paper Presentation at Chettinad College of Engineering and Technology, Karur  |
| 7     | MOHAMED KARIB NAVAS A | II/AI&ML       | Photography at St. Antony's College of Arts and Science for Women,Dindigul    |
| 8     | GOKULAKRISHNAN K      | II/AI&ML       | Photography at St. Antony's College of Arts and Science for Women, Dindigul   |
| 9     | SUDHARSAN K           | II/AI&ML       | Photography at St. Antony's College of Arts and Science for Women, Dindigul   |

## Glimpses of the Achievements (Sample Photo Proofs)











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### Department of Artificial Intelligence and Machine Learning

#### Faculty Achievements

Academic Year: 2025 -26

Semester: ODD

| S. No | Name of the Faculty | Faculty Participation, Presentation (Conferences) / Industry Connect / Certifications / QIP / FDP (List all the achievement in the Odd Semester) |
|-------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | Dr. K. Vinoth Kumar | Publication: 3 (Anna University Annexure)                                                                                                        |
| 2     | B. Rubakumar        | FDP - ATAL<br>ONLINE CERTIFICATION – NPTEL, INFOSYS SPRINGBOARD<br>FIP- SREC, COIMBATORE<br>CONFERENCE - ICSIE                                   |
| 3     | M. Amritha          | FDP - ATAL, NPTEL<br>ONLINE CERTIFICATION – NPTEL, CISCO, AWS<br>FIP- VIT, CHENNAI                                                               |
| 4     | V. Nithya           | FDP - ATAL, NPTEL<br>ONLINE CERTIFICATION – NPTEL, CISCO                                                                                         |