

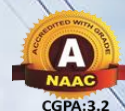


# KALLAM HARAMADHAREDDY INSTITUTE OF TECHNOLOGY

Affiliated to JNTU Kakinada, accredited by NBA, Accredited by NAAC  
with A Grade

CHOWDAVARAM (POST), GUNTUR, ANDHRA PRADESH-522019

Website: [www.khitguntur.ac.in](http://www.khitguntur.ac.in) e-Mail: [kae1guntur@gmail.com](mailto:kae1guntur@gmail.com) Phone  
No: 0863-2272346



# EEE-IMPACT QUARTERLY- NEWSLETTER

APRIL 2K25-JUNE 2K25

Department of Electrical and  
Electronics Engineering

## INSIDE THIS ISSUE:

- **About College**
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### About College:

Founder promoter members of the Society, who are Primarily Businessmen, Believe that the future of India can be built and moulded in class rooms; the total education can play a very important role for peaceful and co-operative existence of all human beings. The National and International understanding can be Built-up only through the Tool of Education, thereby after careful and meaningful discussions among ourselves, We desired to establish a society by the name " **KALLAM ACADEMY OF EDUCATIONAL SOCIETY** ". The Society is registered as vide **Reg. No. 24 of 2006 dated 17-01-2006** under the **Andhra Pradesh Societies Registration Act, 35 of 2001**.

Science and Technology have emerged major factors in the sustenance of the society. They are changing the world with a matchless speed and magnitude. In this scenario, to create competent technocrats, an ideal institution with good ambience, infrastructure and eminent faculty is required.



**Department Vision:**

To produce globally competent man power which can contribute to the development and welfare of the society by meeting the needs of both the nation and the international community to empower the students to become technologically vibrant, innovative and emotionally matured and to train them to face the challenges of the quality conscious globalized world economy

**Department Mission:**

- To create educational opportunities to the predominantly agrarian society in and around guntur
- To provide an environment most conducive to learning and to create a stimulating intellectual atmosphere on campus
- To achieve academic excellence
- To support economically weak students to pursue education
- To establish partnership between institution and industry

**Editorial Board:**

**Chief Editor:**

Dr. K. Hari Krishna, Professor, HOD, EEE

**Editors:**

Dr. G. Kishor Babu, Professor, EEE

Dr. P.P. Sharma,  
Professor, EEE

**Faculty Members:**

Mr. M. V. N. Murthy,

Asst. Prof., EEE,

Mr. J. Sunil Babu,

Asst. Prof., EEE.

**Student Members:**

Govindu Sravya (IV-EEE),

SK. Khadar Basha (III-EEE),

Koppolu Mahesh (II-EEE).

**Student Achievements:**

| S. No. | Regd. No.  | Name of The Student                     | Name of The Event  | Event dates                      | Name of the Organizing Inst.                  | Merit/Participation   | State – within/out side |
|--------|------------|-----------------------------------------|--------------------|----------------------------------|-----------------------------------------------|-----------------------|-------------------------|
| 1      | 218X1A0201 | Adapa Mani Krishna                      | Technical Quiz     | Innovation Day, October 15, 2024 | MIC College of Technology                     | Participation         | State – within          |
| 2      | 218X1A0202 | Beluguri Venkata Krishna Vinay          | Paper Presentation | Udghosh 2k24,16 & 17 Feb 2024    | Chalapathi Institute of Technology            | Participation         | State – within          |
| 3      | 218X1A0204 | Gaddam Kavitha                          | Technical Quiz     | Samkalp2k24-27 & 28 Sep 2024     | Kallam Haranadhareddy Institute of Technology | Participation         | State – within          |
| 4      | 218X1A0206 | Govindu Sravya                          | Technical Quiz     | Innovation Day, October 15, 2024 | MIC College of Technology                     | Participation         | State – within          |
| 5      | 218X1A0210 | Kotha Venkata Ramya                     | Technical Quiz     | Innovation Day, October 15, 2024 | MIC College of Technology                     | 3 <sup>rd</sup> Prize | State – within          |
| 6      | 218X1A0215 | Parimi Sudhakar                         | Technical Quiz     | Samkalp2k24-27 & 28 Sep 2024     | Kallam Haranadhareddy Institute of Technology | Participation         | State – within          |
| 7      | 218X1A0217 | Rupanaguntla Lakshmi Hanuma Santhoshini | Technical Quiz     | Samkalp2k24-27 & 28 Sep 2024     | Kallam Haranadhareddy Institute of Technology | 2 <sup>nd</sup> Prize | State – within          |
| 8      | 218X1A0221 | Siddhavantam Hemanth                    | Paper Presentation | Udghosh 2k24,16 & 17 Feb 2024    | Chalapathi Institute of Technology            | Participation         | State – within          |
| 9      | 218X1A0223 | Veerisetty Thilak Kumar                 | Technical Quiz     | Innovation Day, October 15, 2024 | MIC College of Technology                     | Participation         | State – within          |
| 10     | 218X1A0225 | Jatothu Bhuvaneswari Bai                | Paper Presentation | Samkalp2k24-27 & 28 Sep 2024     | Kallam Haranadhareddy Institute of Technology | Participation         | State – within          |

|    |            |                                    |                       |                                           |                                                        |                       |                   |
|----|------------|------------------------------------|-----------------------|-------------------------------------------|--------------------------------------------------------|-----------------------|-------------------|
| 11 | 218X1A0226 | Pathlavath<br>Madhavi<br>Bai       | Technical Quiz        | Samkalp2k2<br>4-27 & 28<br>Sep 2024       | Kallam<br>Haranadhareddy<br>Institute of<br>Technology | Participation         | State –<br>within |
| 12 | 228X5A0202 | Chataraj<br>upalli<br>Vaishnavi    | Paper<br>Presentation | Samkalp2k2<br>4-27 & 28<br>Sep 2024       | Kallam<br>Haranadhareddy<br>Institute of<br>Technology | 1 <sup>st</sup> Prize | State –<br>within |
| 13 | 228X5A0204 | Dundi<br>Gangadhar<br>Reddy        | Paper<br>Presentation | Innovation<br>Day,<br>October 15,<br>2024 | MIC College<br>of Technology                           | Participation         | State –<br>within |
| 14 | 228X5A0205 | Gangavarapu<br>Sangeetha           | Technical Quiz        | Innovation<br>Day,<br>October 15,<br>2024 | MIC College<br>of Technology                           | Participation         | State –<br>within |
| 15 | 228X5A0208 | Induri<br>Venkatesh                | Project<br>Expo       | Samkalp2k2<br>4-27 & 28<br>Sep 2024       | Kallam<br>Haranadhareddy<br>Institute of<br>Technology | 1 <sup>st</sup> Prize | State –<br>within |
| 16 | 228X5A0210 | Jakkampudi<br>Issac<br>Paul        | Paper<br>Presentation | Samkalp2k2<br>4-27 & 28<br>Sep 2024       | Kallam<br>Haranadhareddy<br>Institute of<br>Technology | Participation         | State –<br>within |
| 17 | 228X5A0212 | Kanchukom<br>Nagababu              | Paper<br>Presentation | Udghosh<br>2k24,16 &<br>17 Feb 2024       | Chalapathi<br>Institute of<br>Technology               | Participation         | State –<br>within |
| 18 | 228X5A0214 | Katta<br>Komali                    | Technical Quiz        | Samkalp2k2<br>4-27 & 28<br>Sep 2024       | Kallam<br>Haranadhareddy<br>Institute of<br>Technology | Participation         | State –<br>within |
| 19 | 228X5A0215 | Kondeti<br>Praneeth                | Technical Quiz        | Innovation<br>Day,<br>October 15,<br>2024 | MIC College<br>of Technology                           | Participation         | State –<br>within |
| 20 | 228X5A0219 | Muragon<br>Venkata<br>Subrahmanyam | Project<br>Expo       | Samkalp2k2<br>4-27 & 28<br>Sep 2024       | Kallam<br>Haranadhareddy<br>Institute of<br>Technology | 1 <sup>st</sup> Prize | State –<br>within |
| 21 | 228X5A0222 | Pasupule<br>Venkatesh              | Paper<br>Presentation | Samkalp2k2<br>4-27 & 28<br>Sep 2024       | Kallam<br>Haranadhareddy<br>Institute of<br>Technology | Participation         | State –<br>within |
| 22 | 228X5A0223 | Pattapuraju<br>Kiranmai            | Paper<br>Presentation | Samkalp2k2<br>4-27 & 28<br>Sep 2024       | Kallam<br>Haranadhareddy                               | 1 <sup>st</sup> Prize | State –<br>within |

|    |            |                              |                    |                                  |                                               |               |                |
|----|------------|------------------------------|--------------------|----------------------------------|-----------------------------------------------|---------------|----------------|
|    |            |                              |                    |                                  | y Institute of Technology                     |               |                |
| 23 | 228X5A0227 | Saikam Yaswanth Varma        | Paper Presentation | Udghosh 2k24,16 & 17 Feb 2024    | Chalapathi Institute of Technology            | Participation | State – within |
| 24 | 228X5A0229 | Shaik Sehan Arif             | Technical Quiz     | Innovation Day, October 15, 2024 | MIC College of Technology                     | Participation | State – within |
| 25 | 228X5A0232 | Alla Srinu                   | Paper Presentation | Samkalp2k24-27 & 28 Sep 2024     | Kallam Haranadhareddy Institute of Technology | Participation | State – within |
| 26 | 218X1A0211 | Naru Ramanji Reddy           | Technical Quiz     | Samkalp2k24-27 & 28 Sep 2024     | Kallam Haranadhareddy Institute of Technology | Participation | State – within |
| 27 | 228X1A0202 | Allacheruvu Prashanth        | Paper Presentation | Innovation Day, October 15, 2024 | MIC College of Technology                     | Participation | State – within |
| 28 | 228X1A0208 | Changalsetty Naga Sai Ganesh | Paper Presentation | Udghosh 2k24,16 & 17 Feb 2024    | Chalapathi Institute of Technology            | Participation | State – within |
| 29 | 228X1A0210 | Dudekula Roshan Basha        | Technical Quiz     | Samkalp2k24-27 & 28 Sep 2024     | Kallam Haranadhareddy Institute of Technology | Participation | State – within |
| 30 | 228X1A0212 | Gaddam Shankari              | Technical Quiz     | Innovation Day, October 15, 2024 | MIC College of Technology                     | Participation | State – within |
| 31 | 228X1A0216 | Sai Phanindra Gowra          | Paper Presentation | Samkalp2k24-27 & 28 Sep 2024     | Kallam Haranadhareddy Institute of Technology | Participation | State – within |
| 32 | 228X1A0220 | Soma Pavan Manoj             | Paper Presentation | Udghosh 2k24,16 & 17 Feb 2024    | Chalapathi Institute of Technology            | Participation | State – within |
| 33 | 228X1A0223 | Tullimilli Niteesh           | Technical Quiz     | Samkalp2k24-27 & 28 Sep 2024     | Kallam Haranadhareddy Institute of Technology | Participation | State – within |
| 34 | 228X1A0224 | Vadithe Nagaraju Naik        | Paper Presentation | Innovation Day, October 15, 2024 | MIC College of Technology                     | Participation | State – within |

|    |            |                              |                     |                                  |                                                |                |                |
|----|------------|------------------------------|---------------------|----------------------------------|------------------------------------------------|----------------|----------------|
| 35 | 228X1A0230 | Shaik Abdul Mukhitd          | Technica l Quiz     | Innovation Day, October 15, 2024 | MIC College of Technology                      | Participati on | State – within |
| 36 | 238X5A0203 | Bejjam Vijay                 | Paper Presentat ion | Samkalp2k2 4-27 & 28 Sep 2024    | Kallam Haranadharedd y Institute of Technology | Participati on | State – within |
| 37 | 238X5A0208 | Palagiri Arshiya             | Paper Presentat ion | Udghosh 2k24,16 & 17 Feb 2024    | Chalapathi Institute of Technology             | Participati on | State – within |
| 38 | 238X5A0210 | Peeram Yaseswi ni            | Technica l Quiz     | Samkalp2k2 4-27 & 28 Sep 2024    | Kallam Haranadharedd y Institute of Technology | Participati on | State – within |
| 39 | 238X5A0215 | Tegada Gayathri              | Paper Presentat ion | Samkalp2k2 4-27 & 28 Sep 2024    | Kallam Haranadharedd y Institute of Technology | Participati on | State – within |
| 40 | 238X5A0222 | Sidde Lakshmi Venkata Bhupal | Paper Presentat ion | Udghosh 2k24,16 & 17 Feb 2024    | Chalapathi Institute of Technology             | Participati on | State – within |
| 41 | 238X5A0225 | Makkena Raj Kumar            | Technica l Quiz     | Innovation Day, October 15, 2024 | MIC College of Technology                      | Participati on | State – within |
| 42 | 238X1A0203 | Byreddy Venkata Rami Reddy   | Technica l Quiz     | Samkalp2k2 4-27 & 28 Sep 2024    | Kallam Haranadharedd y Institute of Technology | Participati on | State – within |
| 43 | 238X1A0206 | Ganapa Bharath Reddy         | Paper Presentat ion | Samkalp2k2 4-27 & 28 Sep 2024    | Kallam Haranadharedd y Institute of Technology | Participati on | State – within |
| 44 | 238X1A0208 | Kommis etty Pavana Jyothi    | Technica l Quiz     | Samkalp2k2 4-27 & 28 Sep 2024    | Kallam Haranadharedd y Institute of Technology | Participati on | State – within |
| 45 | 238X1A0210 | Maddhur i Premcha nd         | Paper Presentat ion | Samkalp2k2 4-27 & 28 Sep 2024    | Kallam Haranadharedd y Institute of Technology | Participati on | State – within |
| 46 | 238X1A0213 | Shaik Asif                   | Technica l Quiz     | Innovation Day, October 15, 2024 | MIC College of Technology                      | Participati on | State – within |

|    |            |                          |                    |                                  |                                               |               |                |
|----|------------|--------------------------|--------------------|----------------------------------|-----------------------------------------------|---------------|----------------|
| 47 | 238X1A0216 | Boggu Ravi Teja          | Technical Quiz     | Samkalp2k24-27 & 28 Sep 2024     | Kallam Haranadhareddy Institute of Technology | Participation | State – within |
| 48 | 238X1A0219 | Valluru Venkata Saikiran | Paper Presentation | Udghosh 2k24,16 & 17 Feb 2024    | Chalapathi Institute of Technology            | Participation | State – within |
| 49 | 248X5A0203 | Bathula Vinay Babu       | Paper Presentation | Innovation Day, October 15, 2024 | MIC College of Technology                     | Participation | State – within |
| 50 | 248X5A0206 | Gangu Hemanth arao       | Technical Quiz     | Samkalp2k24-27 & 28 Sep 2024     | Kallam Haranadhareddy Institute of Technology | Participation | State – within |
| 51 | 248X5A0208 | Kanakam Pradeepkumar     | Paper Presentation | Udghosh 2k24,16 & 17 Feb 2024    | Chalapathi Institute of Technology            | Participation | State – within |
| 52 | 248X5A0211 | Midathana Naresh Kumar   | Paper Presentation | Samkalp2k24-27 & 28 Sep 2024     | Kallam Haranadhareddy Institute of Technology | Participation | State – within |
| 53 | 248X5A0217 | Shaik Nagul Shareef      | Technical Quiz     | Samkalp2k24-27 & 28 Sep 2024     | Kallam Haranadhareddy Institute of Technology | Participation | State – within |
| 54 | 248X5A0219 | Sonti Sridhar            | Technical Quiz     | Innovation Day, October 15, 2024 | MIC College of Technology                     | Participation | State – within |
| 55 | 248X5A0223 | Thumati Manohar          | Paper Presentation | Udghosh 2k24,16 & 17 Feb 2024    | Chalapathi Institute of Technology            | Participation | State – within |
| 56 | 248X5A0226 | Vemula Charan            | Paper Presentation | Samkalp2k24-27 & 28 Sep 2024     | Kallam Haranadhareddy Institute of Technology | Participation | State – within |
| 57 | 248X5A0228 | Yele Prakash             | Paper Presentation | Innovation Day, October 15, 2024 | MIC College of Technology                     | Participation | State – within |
| 58 | 248X5A0231 | Nimmala Reshma           | Technical Quiz     | Samkalp2k24-27 & 28 Sep 2024     | Kallam Haranadhareddy Institute of Technology | Participation | State – within |

|    |            |                            |                     |                                                  |                                                                |                |                |
|----|------------|----------------------------|---------------------|--------------------------------------------------|----------------------------------------------------------------|----------------|----------------|
| 59 | 218X1A0225 | Jatothu Bhuvane swari Bai  | Paper Presentat ion | Vignan's Mahotsav 2024, 01-02-2024 To 03-02-2024 | Vignan's Foundation For Science, Technology & Research, Guntur | Participati on | State – within |
| 60 | 218X1A0226 | Pathlavat h Madhavi Bai    | Paper Presentat ion | Vignan's Mahotsav 2024, 01-02-2024 To 03-02-2024 | Vignan's Foundation For Science, Technology & Research, Guntur | Participati on | State – within |
| 61 | 228X5A0202 | Chataraj upalli Vaishnav i | Paper Presentat ion | Vignan's Mahotsav 2024, 01-02-2024 To 03-02-2024 | Vignan's Foundation For Science, Technology & Research, Guntur | Participati on | State – within |
| 62 | 238X5A0208 | Palagiri Arshiya           | Paper Presentat ion | Vignan's Mahotsav 2024, 01-02-2024 To 03-02-2024 | Vignan's Foundation For Science, Technology & Research, Guntur | Participati on | State – within |
| 63 | 238X5A0210 | Peeram Yaseswi ni          | Technica l Quiz     | Vignan's Mahotsav 2024, 01-02-2024 To 03-02-2024 | Vignan's Foundation For Science, Technology & Research, Guntur | Participati on | State – within |
| 64 | 238X5A0215 | Tegada Gayathri            | Technica l Quiz     | Vignan's Mahotsav 2024, 01-02-2024 To 03-02-2024 | Vignan's Foundation For Science, Technology & Research, Guntur | Participati on | State – within |
| 65 | 218X1A0225 | Jatothu Bhuvane swari Bai  | Paper Presentat ion | Medhanves h 2k24, 22-03-2024 To 23-03-2024       | B. V. Raju Institute of Technology, Bhimavaram                 | Participati on | State – within |
| 66 | 228X5A0205 | Gangava rapu Sangeeth a    | Paper Presentat ion | Medhanves h 2k24, 22-03-2024 To 23-03-2024       | B. V. Raju Institute of Technology, Bhimavaram                 | Participati on | State – within |
| 67 | 248X5A0231 | Nimmala Reshma             | Technica l Quiz     | Medhanves h 2k24, 22-03-2024 To 23-03-2024       | B. V. Raju Institute of Technology, Bhimavaram                 | Participati on | State – within |

|    |            |                                |                    |                                           |                                                 |               |                |
|----|------------|--------------------------------|--------------------|-------------------------------------------|-------------------------------------------------|---------------|----------------|
| 68 | 218X1A0204 | Gaddam Kavitha                 | Technical Quiz     | Medhanvesh 2k24, 22-03-2024 To 23-03-2024 | B. V. Raju Institute of Technology, Bhimavaram  | Participation | State – within |
| 69 | 218X1A0202 | Beluguri Venkata Krishna Vinay | Paper Presentation | Viva Vvit 2k24, 21-12-24 To 24-12-24      | VVIT,Nambur                                     | Participation | State – within |
| 70 | 218X1A0204 | Gaddam Kavitha                 | Technical Quiz     | Viva Vvit 2k24, 21-12-24 To 24-12-24      | VVIT,Nambur                                     | Participation | State – within |
| 71 | 218X1A0206 | Govindu Sravya                 | Technical Quiz     | Viva Vvit 2k24, 21-12-24 To 24-12-24      | VVIT,Nambur                                     | Participation | State – within |
| 72 | 218X1A0210 | Kotha Venkata Ramya            | Technical Quiz     | Viva Vvit 2k24, 21-12-24 To 24-12-24      | VVIT,Nambur                                     | Participation | State – within |
| 73 | 228X1A0204 | A.V.S.S. Kousalya              | Posto Preso        | Vidyut Tarang-2024, 28-12-2024            | R.V.R & J.C College of Engineering, Chowdavaram | Participation | State – within |
| 74 | 238X5A0208 | P.Arshiy a                     | Posto Preso        | Vidyut Tarang-2024, 28-12-2024            | R.V.R & J.C College of Engineering, Chowdavaram | Participation | State – within |
| 75 | 238X5A0210 | P.Yaseswini                    | Posto Preso        | Vidyut Tarang-2024, 28-12-2024            | R.V.R & J.C College of Engineering, Chowdavaram | Participation | State – within |
| 76 | 238X5A0215 | T.Gayathri                     | Posto Preso        | Vidyut Tarang-2024, 28-12-2024            | R.V.R & J.C College of Engineering, Chowdavaram | Participation | State – within |

#### Faculty Achievements:

- List of Publications:**

| S. No | Name of the author | Title of the Paper | Name of the Journal | Month & Year of Publications | ISSN /DOI Number | Remarks |
|-------|--------------------|--------------------|---------------------|------------------------------|------------------|---------|
|-------|--------------------|--------------------|---------------------|------------------------------|------------------|---------|

|   |                     |                                                                                                                |                                                          |          |                |        |
|---|---------------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------|----------------|--------|
| 1 | Dr. L. Shamukha Rao | Cryptography algorithms for enhancing security in IoT based Mafly MPPT system under partial shading conditions | Journal of Discrete Mathematical Sciences & Cryptography | OCT 2024 | ISSN 0972-0529 | SCOUPS |
| 2 | Dr. L. Shamukha Rao | Cybersecurity enabled electric vehicle charging and battery management system                                  | Journal of Discrete Mathematical Sciences & Cryptography | OCT 2024 | ISSN 0972-0529 | SCOUPS |

• **List of Conferences:**

| S. No | Name of the Faculty  | Name of the Conference                                                                      | Date & Year              | Organizing Institution |
|-------|----------------------|---------------------------------------------------------------------------------------------|--------------------------|------------------------|
| 1     | Dr. L. Shanmukha Rao | Performance Evaluation of a 3- $\emptyset$ Grid-Interfaced 100 kW Solar Photovoltaic System | 18-01-2025 to 19-01-2025 | MANIT Bhopal, India    |
| 2     | Dr.P.P. Sharma       | Performance Evaluation of a 3- $\emptyset$ Grid-Interfaced 100 kW Solar Photovoltaic System | 18-01-2025 to 19-01-2025 | MANIT Bhopal, India    |

• **List of FDP's:**

| S.No. | Name of the Faculty | FDP / Workshop /Seminar/S TTP | Title of the Program                                           | Date(s)    |            | Organization                      |
|-------|---------------------|-------------------------------|----------------------------------------------------------------|------------|------------|-----------------------------------|
|       |                     |                               |                                                                | From       | To         |                                   |
| 1     | Dr. K. Hari Krishna | Workshop                      | Electric Vehicle Technologies                                  | 24-03-2025 | 25-03-2025 | Acharya Nagarjuna University      |
|       | Dr. K. Hari Krishna | FDP                           | Science, Technology and Innovation for Sustainable Development | 27-01-2025 | 31-01-2025 | Narasaraopeta Engineering College |
| 2     | Dr. G. Kishor Babu  | FDP                           | Science, Technology and Innovation for Sustainable Development | 27-01-2025 | 31-01-2025 | Narasaraopeta Engineering College |
| 3     | Mr.M.V.N. Murthy    | Workshop                      | Electric Vehicle Technologies                                  | 24-03-2025 | 25-03-2025 | Acharya Nagarjuna University      |

|   |                     |          |                                                                |            |            |                                   |
|---|---------------------|----------|----------------------------------------------------------------|------------|------------|-----------------------------------|
| 4 | Mr.P. Venubabu      | FDP      | Science, Technology and Innovation for Sustainable Development | 27-01-2025 | 31-01-2025 | Narasaraopeta Engineering College |
| 5 | Mr.M. Ranjith Kumar | Workshop | Electric Vehicle Technologies                                  | 24-03-2025 | 25-03-2025 | Acharya Nagarjuna University      |

➤ Student workshops and guest lecturers:

| S. No | Name of the Event Organized                                                 | Event Type    | Date                     | Resource Person with Affiliation                                         |
|-------|-----------------------------------------------------------------------------|---------------|--------------------------|--------------------------------------------------------------------------|
| 1     | A Five-Day Workshop on Internet of Things (IoT.) in association with APSSDC | Workshop      | 30-12-2024 to 04-01-2025 | Mr. B. Mahidhar, Trainer, APSSDC, Vijayawada, Andhra Pradesh             |
| 2     | “ Career in Digital Forensics & Incident Response(DFIR)                     | Career Talk   | 11-01-2025               | Lt Col(Dr.) Santosh Khadsare, Chief Technology Officer(DFIR), Systools   |
| 3     | “World of Digital Risk in Evolving Digital Era”                             | Career Talk   | 17-01-2025               | Vinit Sinha, Chief Information Security Officer(CISCO)                   |
| 4     | “The AI Networking Era: Exciting Career Opportunities”                      | Career Talk   | 04-02-2025               | Arun Kumar, Principal Engineer&AI/ML Leader, Juniper                     |
| 5     | “Ansys Academic Program-Developing the Next Generation of Engineers”        | Career Talk   | 05-02-2025               | Abhimanyu Singh, Technical Leader – Academic (India and ASEAN), ANSYS    |
| 6     | Guest lecture on "Emerging technologies"                                    | Guest Lecture | 20-10-2023               | Dr. Y.S. Kishore Babu Professor of EEE & HOD, UCEN, JNTUK, Narasaraopet. |

➤ Tech news:

Key Global / AI-Tech Developments (Mar-Jun 2025)

| Area                       | What Happened                                                                 | Significance / Impacts                                                |
|----------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| OpenAI’s Model Evolution & | • In March, OpenAI released GPT-4.5 (codenamed Orion), its largest model yet, | These moves reflect OpenAI’s push for more accessible powerful models |

| Area                      | What Happened                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Significance / Impacts                                                                                                                                                                                                                                               |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Developer Tooling         | <p>initially rolled out to Pro users as a research preview. TechCrunch</p> <ul style="list-style-type: none"><li>• Also in March, it launched the Responses API, replacing the Assistants API, to help developers build more complex, autonomous AI agents. Reuters+1</li><li>• In mid-April O4-mini and o3 reasoning models were introduced, to provide better reasoning, image &amp; prompt capabilities for free-/paid-tier ChatGPT users. TechCrunch+1</li></ul>                                                                                                                                | <p>(including to free-tier users), shifting toward tools supporting agentic AI (agents that act, not just answer), and improving efficiency via model specialization (mini, nano, etc.). Also, phasing out older or heavier models to streamline infrastructure.</p> |
| Competition & New Players | <ul style="list-style-type: none"><li>• Chinese startups stepped up: “Monica” launched the AI agent <i>Manus</i>, claiming strong performance; others were pushing cost-effective agentic models. ETTelecom.com+2Reuters+2</li><li>• OpenAI added image generation to its GPT-4o model with better prompt fidelity and a focus on rendering text accurately. Gadgets 360</li><li>• In India, the government proposed scrapping the 6% digital ads tax (“equalisation levy”) affecting US firms like Google, Meta, Amazon, to ease trade relations; this took effect from April 1. Reuters</li></ul> | <p>The territory is shifting fast: lower cost / smaller models + specialized capabilities are gaining attention. The image-plus-text generation improvement is important for creative tools, content generation, etc.</p>                                            |
| Policy & Regulation Moves | <ul style="list-style-type: none"><li>• There’s increasing pressure globally around how AI gets trained—how artistic styles are used, attribution, etc. (e.g., from user / creator communities).</li><li>• Also rising talk of environmental sustainability in AI system design and “greener AI” practices emerging in research. arXiv</li></ul>                                                                                                                                                                                                                                                    | <p>Trade diplomacy is influencing tech regulation. Tax &amp; levy policies can reshape how foreign tech firms operate. Ethical / environmental dimensions are becoming less optional and more central—useful for firms, governments, and users.</p>                  |

| Area                         | What Happened                                                                                                                                                                                                     | Significance / Impacts                                                                                                                                                                                                             |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Products / Platform Features | • ChatGPT picked up “shopping features” in late April: turning the experience into a conversational shopping assistant — product insights, price comparisons, visual product feeds, etc. Vogue Business           | Shows growth of AI features embedded in everyday platforms (not just research). Also, digital inclusion / “edge” device push (like AI-ready PCs) will be crucial for large, diverse user bases.                                    |
|                              | • Reliance (India) announced AI-powered cloud memory and JioPC, an AI-ready computer to push digital inclusion. The Times of India                                                                                |                                                                                                                                                                                                                                    |
| Science / Sustainability     | • A research agenda (“Greening AI-enabled Systems”) was published in early June focusing on sustainable AI infrastructure, energy usage, standardization, and software-engineering practices. arXiv               | AI and quantum computing both have growing footprints. As compute demands grow so do energy, environmental, and infrastructure costs. Sustainability becomes essential. Quantum is early but signals long-term strategic priority. |
|                              | • India & other regions increasing investment or announcements about quantum computing initiatives (India’s QpiAI-Indus, a 25-qubit quantum computer, under the National Quantum Mission) around April. Wikipedia |                                                                                                                                                                                                                                    |

IN India-Specific Highlights

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| • Removal of digital ad tax / equalisation levy (6%) from April 1, 2025, to ease tensions with U.S. companies. Reuters                       |
| • Reliance AGM: introduced “AI-powered cloud memory” and JioPC (AI-ready computer) aimed at wider digital inclusion. The Times of India      |
| • Expansion of quantum computing: the Indus quantum computer (25 qubits, full-stack system) launched under India’s National Quantum Mission. |