# IPR CELL, INSTITUTION INNOVATION COUNCIL (IIC) - AVIT

Event Report – "Kapila Program for IP literacy and Awarness (Ph-7)

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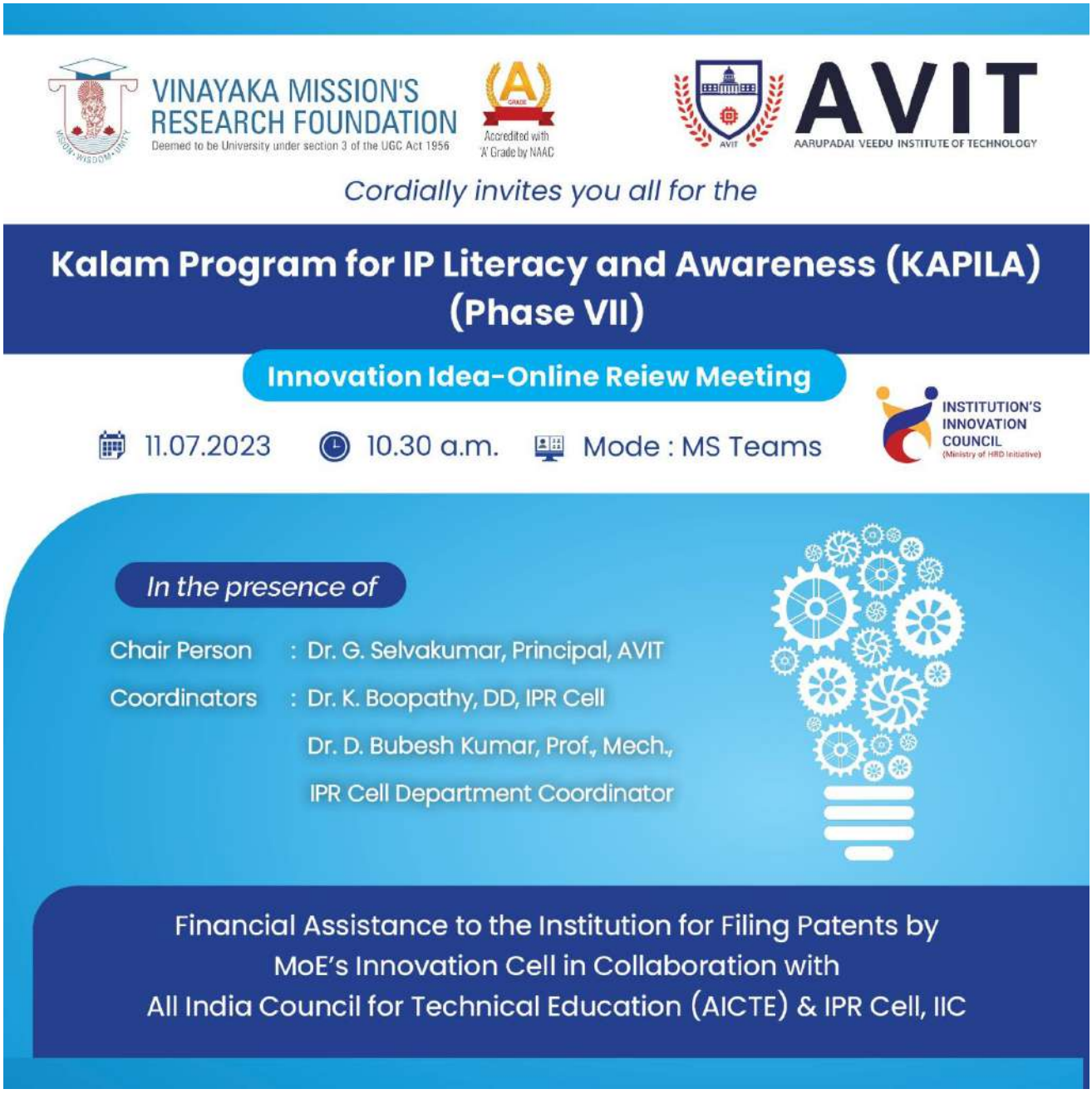
| Name of the Event | Kapila Program for IP literacy and Awarness (Ph-7) |
| Date & Time | 26.04.2023& 10.00 AM (IST) |
| Guest Speaker | (i) Mr.Gyan Prakash- Institute alumni /Industry expert<br>(ii) Dr.Mohamed Adil A A- Incubation Head<br>(iii) Mr.SivaPrakash P - Legal Advisor /IPR expert |
| Total Participants | 04 |
| Organised By | IPR Cell, Institution Innovation Council (IIC) AVIT |
| Mode | on Line |
| Venue | GIEC |
| Media link | https://teams.microsoft.com/l/meetup-join/19%3ameeting_MTMzYWJjNGQtNGIzYi00NTg0LWFiYTktZDI3NzA3MjUxZGM3%40thread.v2/0?context=%7b%22Tid%22%3a%220e82ae81-b94c-436c-97c0-f780b3f20ab4%22%2c%22Oid%22%3a%22e43d5346-f8d8-4030-a41e-85d29f643955%22%7d |

**Event Broucher**




https://www.facebook.com/AVITChennai/photos/a.20520895041687319/4228522810707187/

IPR Cell, Institution Innovation Council (IIC) AVIT organized Kapila Program for IP literacy and Awarness (Ph-7) on 11.07.2023. the following members were present and verified the topics for finalizing the Kapila patent filling .

(i) Dr.G.Selva Kumar Chairperson-Principal

(ii) Mr.Gyan Prakash- Institute alumni /Industry expert

(iii) Dr.Mohamed Adil A A- Incubation Head

(iv) Mr.SivaPrakash P - Legal Advisor /IPR expert

(v) Dr.K.Boopathy, SPOC

Patent list

| S.No | Name of the inventors | Title | Claims | Objectives |
|---|---|---|---|---|
| 1 | Malathi V<br><br>Jaichandran R | A system and method for secure and fast transactions in storing counting and verifying votes in block chain network | FIELD OF INVENTION<br>The present invention generally relates to block chain network in electronic voting. Specifically, the invention relates to a system and method for fast transactions in storing counting and verifying votes in block chain network. | 1. A system and method for electronic voting using block chain technology for avoiding vote rigging and election frauds, comprising: one or more voter device; one or more election administration device; one or more centralized server; and block chain network with one or more decentralized distributed digital ledgers. |

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| | | | | 2. The system and method as claimed in claim 1, wherein the said voter device comprises: a processor; a nonvolatile memory; network interface; application for registration for voters; application for casting votes; application for encrypting voting data; application for sending encrypted voting data to centralized server and decentralized distributed digital ledgers |

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| | | | | in block chain network. |
| 2 | R. N. Viswanath<br>G. Suresh<br>G. Nirmaladavi | NANOPOROUS STRUCTURED METALLIC CATALYSTS FOR DECOMPOSITION OF HYDROGEN PEROXIDE | FIELD OF INVENTION<br>The present invention relates to decomposition of hydrogen peroxide. Specifically, the present invention relates to producing nanoporous structured metallic catalysts for decomposition of hydrogen peroxide.Moreparticularly the present invention relates to producing alloy sheet from high purity Ag, Pd, and Au elements. Particularly, the said alloy sheets are 200micrometer thickness. | Nanoporous structured metallic catalysts for decomposition of hydrogen peroxidecomprising:<br>a. producing alloy of stoichiometry composition Ag70Pd20Au10 by arc melting of said elements in inert atmosphere;<br>b. rolling of the moltenalloy in cold;<br>c. producing sheets of thickness 200 micrometer;<br>d. Annealing the said alloy sheets in sealed quartz ampoules under a vacuum range of 10-5 - 10-6 torr f;<br>e. cutting the obtained sheets into 1.5 x 1.5 cm pieces;<br>f. immersing the saidalloy sheets into concentrated Nitric acid for etching; and<br>g. obtaining the resultant product in the form of nanoporous structured sheets.<br>2. Nanoporousstructured metallic catalysts as claimed in claim 1**,** **w**herein the said metals silver (Ag), |

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| | | | | palladium (Pd) and gold (Au) are added at a percentage of 70, 20, 10, respectively for producing the starting material.<br>3. Nanoporous structured metallic catalysts as claimed in claim 1**, w**herein the said starting materials changes with etching time. |
| 3 | **Dr. VAIDEVI. C**<br><br>**Mr. DEEPAK KUMAR**<br><br>**Mr. TARKESHWAR KUMAR** | **SELF – HEALING IN CONCRETE USING MUSKMELON SEEDS** | **FIELD OF INVENTION**<br>This invention relates to concrete cracks self-healing. This healing takes place due to the presence of muskmelon seeds which it is mixed in concrete. Probably increases the strength and also the life span of concrete | **We Claims**<br>1. The cracks on concrete surface healed by muskmelon seeds.<br>2. Self-healing concrete by muskmelon seeds in claim 1, where the 2% seeds helped in crack healing.<br>3. Self-healing concrete by muskmelon seeds in claim 2, within the period of 7 days cracks are healed.<br>4. Self-healing concrete by |

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| | | | | muskmelon seeds in claim 3, due to presence of moisture the muskmelon seeds reacts and cracks are healed.<br>5. Self-healing concrete by muskmelon seeds in claim 4, the seeds mixed concrete increases the strength when compared with conventional concrete.<br>6. Self-healing concrete by muskmelon seeds in claim 5, the seeds mixed concrete not much affected by the chemical tests when compared with conventional concrete.<br>7. Self-healing concrete by |

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| | | | | muskmelon seeds in claim 5, this seeds mixed concrete is an eco-friendly, economic and time consumption. |
| 4 | Dr Kavitha Kumari KS<br><br>Aswin raj<br><br>Joel<br>Pranav | HIGH-EFFICIENCY INTERLEAVED SYNCHRONOUS RECTIFIER WITH ISOLATION TRANSFORMER FOR ELECTRIC VEHICLES | FIELD OF INVENTION: High-efficient interleaved synchronous rectifier with isolation transformer for electric vehicles application. | **OBJECT OF THE INVENTION:**<br>To develop a novel interleaved synchronous rectifier with an isolation transformer that improves the efficiency, performance, and integration of renewable energy sources in electric vehicles and load systems. |


BOOPATHY K
Gyan Prakash
VN
Vish...
VC
Vaid...
SG
Sure...
D
Dr.A...
BD
BUB...
Diva...
M
Mala...
D
Dr.R....
KK
Kavit...
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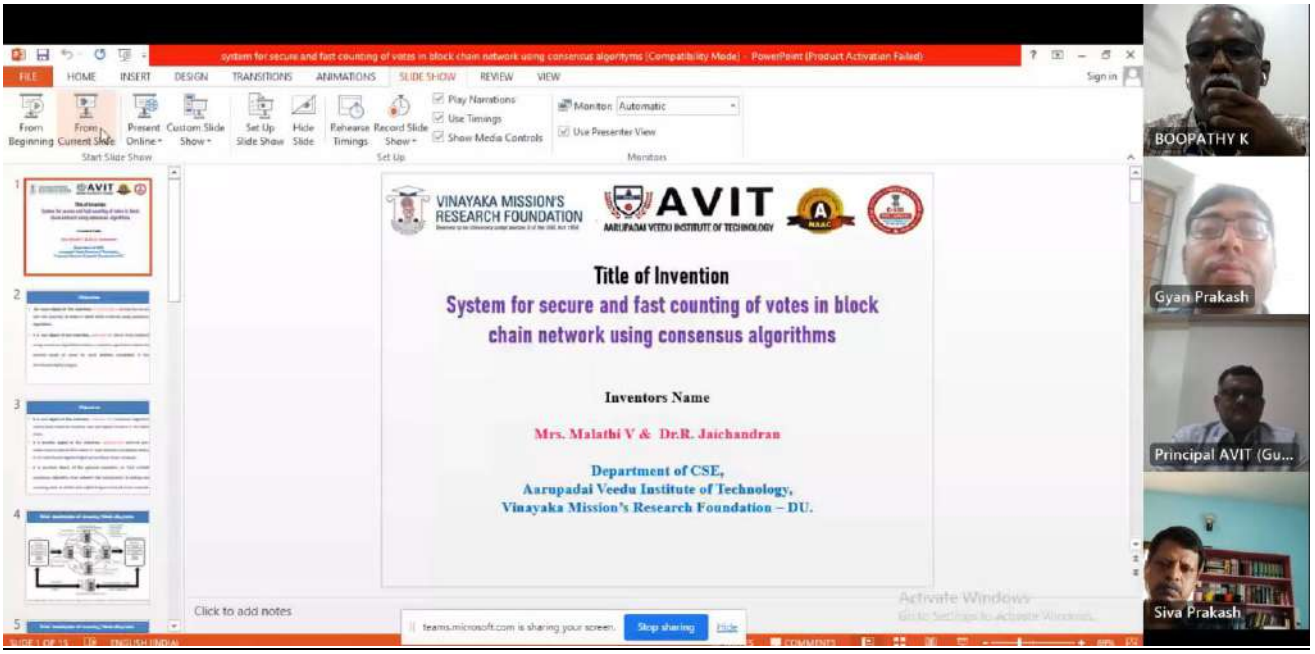
system for secure and fast counting of votes in block chain network using consensus algorithms [Compatibility Mode] - PowerPoint (Product Activation Failed)
VINAYAKA MISSION'S RESEARCH FOUNDATION
AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY
Title of Invention
System for secure and fast counting of votes in block chain network using consensus algorithms
Inventors Name
Mrs. Malathi V & Dr.R. Jaichandran
Department of CSE,
Aarupadai Veedu Institute of Technology,
Vinayaka Mission's Research Foundation – DU.
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Stop sharing
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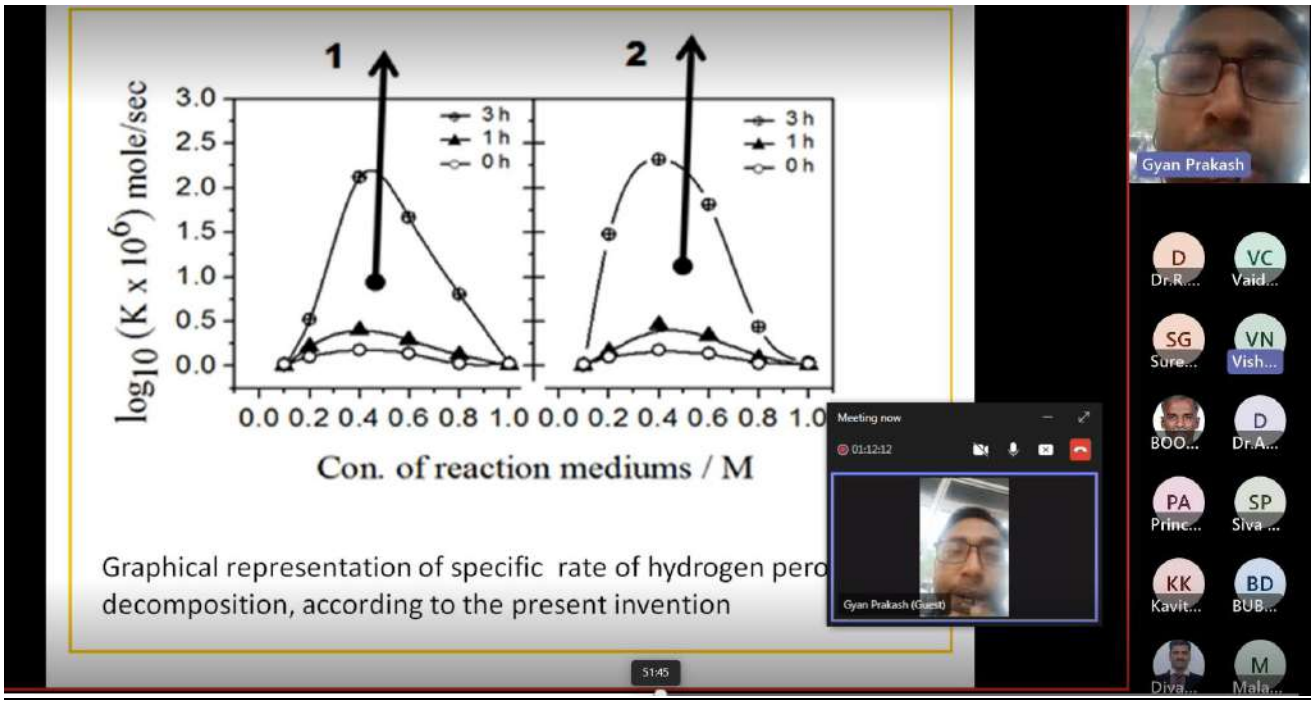
BOOPATHY K
Gyan Prakash
Principal AVIT (Gu...
Siva Prakash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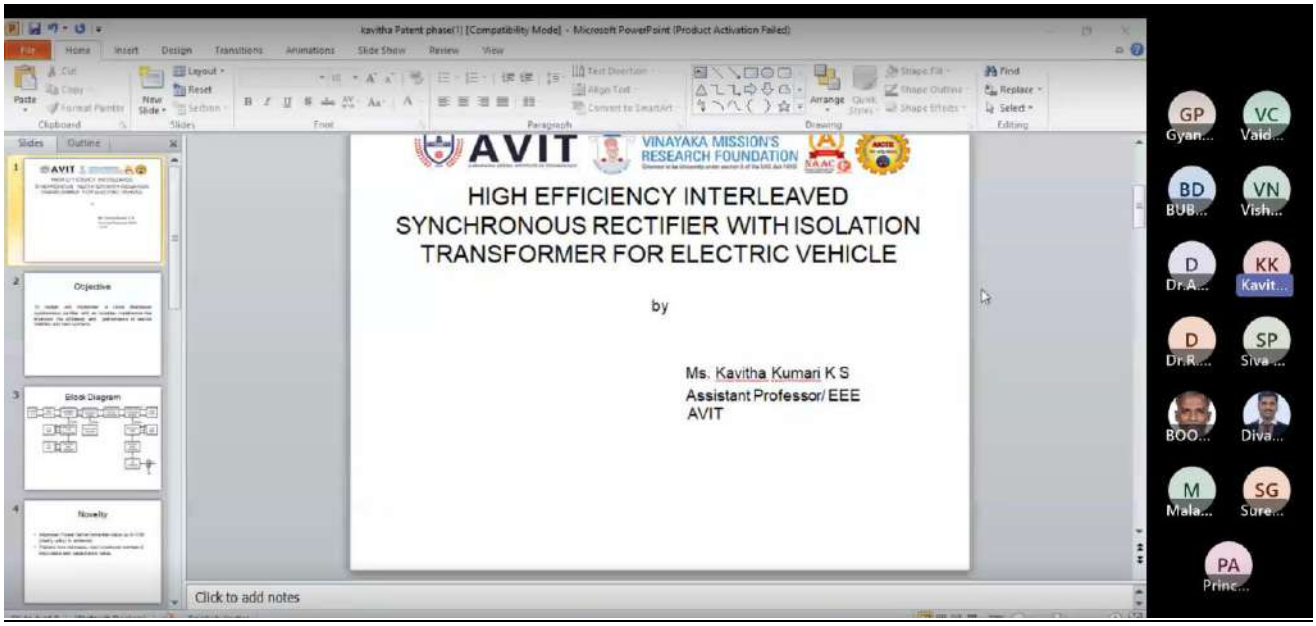
Con. of reaction mediums / M
Graphical representation of specific rate of hydrogen pero
decomposition, according to the present invention
Meeting now
01:12:12
Gyan Prakash (Guest)
51:45
Gyan Prakash
D Dr.R...
VC Vaid...
SG Sure...
VN Vish...
BOO...
D Dr.A...
PA Princ...
SP Siva ...
KK Kavit...
BD BUB...
Diva...
M Mala...


kavitha Patent phase(1) [Compatibility Mode] - Microsoft PowerPoint (Product Activation Failed)
AVIT
VINAYAKA MISSION'S RESEARCH FOUNDATION
HIGH EFFICIENCY INTERLEAVED SYNCHRONOUS RECTIFIER WITH ISOLATION TRANSFORMER FOR ELECTRIC VEHICLE
by
Ms. Kavitha Kumari K S
Assistant Professor/ EEE
AVIT
Click to add notes
GP Gyan...
VC Vaid...
BD BUB...
VN Vish...
D Dr.A...
KK Kavit...
D Dr.R...
SP Siva ...
BOO...
Diva...
M Mala...
SG Sure...
PA Princ...


OUTCOME

After the successful completion of the meeting, two patents are selected for filing in the kapila portal

We would like to sincerely thank the Management, Principal, VPs and HOD's for having given us an opportunity to organize a Kapila meeting . My heartfelt thanks to President, Vice President, and IPR Students /Faculty members, for providing constant support.

Special thanks to our respected Principal, Dr.G.Selvakumar, for his valuable guidance and support.

K.Boopathy & IPR Members

List of Participants

| S.No. | **Name of the Participant** | **Year** | **Department** |
|---|---|---|---|
| 1. | RAHUL NITIN KHOT | II | BIOTECH |
| 2. | N.ANITHA | III | Civil |
| 3. | SURYA DAS.M | III | EEE |
| 4. | AJIT KUMAR YADAV | IV | EEE |
| 5. | ARUN KUMAR J | IV | EEE |
| 6. | BISHAL TIWARI | IV | EEE |
| 7. | FALAK KHAN | IV | EEE |
| 8. | GANGATHARAN B | IV | EEE |
| 9. | MANU TIWARI | IV | EEE |
| 10. | PRABAKARAN V | IV | EEE |
| 11. | RAMAN KUMAR | IV | EEE |
| 12. | SANJEET KUMAR SHARMA | IV | EEE |
| 13. | SURAJ KUMAR | IV | EEE |
| 14. | SURAJ KUMAR CHAUHAN | IV | EEE |
| 15. | ZAHID MUNEER | IV | EEE |
| 16. | KARTHIKEYAN.D | IV | EEE |
| 17. | MD JAMAL | IV | CSE |
| 18. | Asarutheen.r | IV | CSE |
| 19. | Pradeep kumar | IV | CSE |
| 20. | SANJIT KUMAR | IV | CSE |
| 21. | Karunakaran.K | IV | CSE |
| 22. | AMJAD ALI | IV | CSE |
| 23. | SHAIK ABDUL AZEEZ | IV | EEE |
| 24. | ALOK T JAYAPAL | IV | EEE |
| 25. | PRAKASH S | IV | EEE |

| | | | |
|---|---|---|---|
| 26. | SHABIN K | IV | EEE |
| 27. | PENJERLA RAJIV CHANDRAN | IV | EEE |
| 28. | DEVIKA AJI | IV | EEE |
| 29. | NIRAJ KUMAR | IV | CSE |
| 30. | Divyanshu kumar | IV | CSE |
| 31. | Charan sai | IV | CSE |
| 32. | SHUBHAM SAURABH | III | Mech |
| 33. | MOHAMMED ABBAS S B | III | Mech |
| 34. | Prakash S | Staff | EEE |
| 35. | K.S.Kavitha kumari | Staff | EEE |
| 36. | Shaukat ansari | III | AI&DS |
| 37. | IBRAHIM SIDDIQUE | III | AI&DS |
| 38. | BABU LAL SINGH | III | AI&DS |
| 39. | Pravash kumar parida | III | AI&DS |
| 40. | MOTHEESHWARAN.Y | III | AI&DS |
| 41. | Ayub ansari | III | AI&DS |
| 42. | Rajmohan kumar | III | AI&DS |
| 43. | Asif Ali | III | AI&DS |