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3.3.2 List of chapter/book along with links redirecting to the source website


Sl. No.	Chapter/Book	Link
1.	Review of Nozzle Geometry's Impact on the Diesel Engine's Performance, and Emission Characteristics	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/1.pdf
2.	Effect of Cottonseed Oil Methyl Ester on Performance and Smoke of CI Engine	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/2.pdf
3.	An Improvement In Mechanical Characteristics Through The Application Of Austempered Ductile Iron (ADI): A Review	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/3.pdf
4.	Stair Case Climbing Trolley	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/4.pdf
5.	Environmental impacts and benefits of ceramic coatings	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/5.pdf
6.	Role of polymeric ionic liquids in rechargeable batteries	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/6.pdf
7.	Effect of Algae Biodiesel on Performance, Combustion and Smoke Characteristics of CI Engine	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/7.pdf
8.	Fast user authentication in 5G heterogeneous networks using RLAC-FNN and blockchain technology for handoff delay reduction.	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/8.pdf
9.	Body Movement and Heart Beat Monitoring of Coma Patients Using Iot	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/10.pdf
10.	Smart AI Based Video Surveillance for Weapon Detection and Suspicious Activity Detection	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/11.pdf
11.	Smart Nose: Detection of Food Decay Using Machine Learning	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/12.pdf
12.	Design and development of arduino based battery operated vehicle for agriculture application	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/13.pdf
13.	Network Reconfiguration for loss reduction and improvement of voltage profile in electrical distribution system.	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/14.pdf

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14.	“Intelligent Agricultural field Monitoring and Controlling System using Renewable Source”	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/15.pdf
15.	Design and implementation of hybrid powered multifunction bicycle	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/16.pdf
16.	Battery management system in PHEV	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/17.pdf
17.	Wireless charging system for EV's using solar	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/18.pdf
18.	Internet of things based vehicle accident prevention and detection system	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/19.pdf
19.	"Role of polymeric ionic liquids in rechargeable batteries" ADVANCED APPLICATIONS OF IONIC LIQUIDS	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/20.pdf
20.	Power Quality Improvement By Four Leg Voltage Source Inverter	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/84.pdf
21.	An Artificial Intelligence Based User-Friendly Two-Way Sign Language Translator For Deaf And Dumb People Of India	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/85.pdf
22.	Block Matching Algorithms For Motion Estimation And Compensation In Video Compression	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/86.pdf
23.	Performance Based Seismic Analysis of Reinforced Concrete Building Considering Effect of Dual System	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/87.pdf
24.	Robokisan- Autonomous Solar Powered Voice Controlled Multilingual Support Over IOT	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/88.pdf
25.	A SMART SYSTEM FOR DETECTION OF HELMETS AND NUMBER PLATE RECOGNITION USING A	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/89.pdf
26.	User Credibility- Based Trust Model for 5G Wireless Networks	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/21.pdf
27.	EGR As a NO _x Reduction Technique for Modified POME Fuelled Diesel Engine	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/22.pdf
28.	Modelling of Crater size during Wire Electrical Discharge Turning Process by Using Buckingham Pi Theorem	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/23.pdf

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29.	Static and Dynamic power optimization using Leakage Feedback approach for nanoscale CMOS VLSI circuits	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/24.pdf
30.	Deep Learning Based Approach For Enforcement of Traffic Rules	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/25.pdf
31.	IOT Based Virtual Doctor Robot for Non-Contact Treatment of Patients and Remote Medication	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/26.pdf
32.	AI Aero Science Model To Predict Security And To Improve The Fault Space System	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/27.pdf
33.	An Empirical Investigation in Understanding the Recent Advancements in the Blockchain and Artificial Intelligence for Better Application in the Future	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/28.pdf
34.	Removal of hexavalent Chromium-Industry treated water and Wastewater: Areview	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/29.pdf
35.	Rail-Box A new form of Renewable energy source	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/30.pdf
36.	A Study on Thermal Conductivity and Thermogravimetric Analysis of Glass Fiber Epoxy Resin Composites Modified with Silicon Carbide and Copper Nanoparticles	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/31.pdf
37.	Electrical Distribution Network Performance Enhancement using DG	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/32.pdf
38.	Enhancement of available transfer capability with integration of unified power flow controller	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/33.pdf
39.	Design and Implementation of Advanced Plant Leaf Disease Detection and Climatic parameters Monitoring of Plants	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/34.pdf
40.	Hydroponic crop cultivation with Automatic Controlling and Monitoring through IOT	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/35.pdf
41.	Microstrip Fractal MultiBand Antenna Design and Optimization by using DGS Technique for Wireless Communication	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/36.pdf
42.	Classification of Covid-19 for Chest X-Ray Images Using Deep Learning	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/37.pdf
43.	"Impact of DG on Electrical Distribution network under contingency conditions"	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/38.pdf

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44.	Design and Implementation of 3-bit Flash Analog to Digital Converter for Low power and High speed Applications with new Ex-OR based ROM Encoder	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/39.pdf
45.	Design and Implementation of 3-bit Flash Analog to Digital Converter for Low power and High speed Applications with new Ex-OR based ROM Encoder	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/40.pdf
46.	A Review on Thermal Properties of Hybrid Polymer Matrix Composites	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/41.pdf
47.	Sentiment analysis and visualization of real-time twitter data	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/42.pdf
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49.	Face recognition based door monitoring system	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/44.pdf
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51.	Carbon nanotubes in solar panel technology	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/46.pdf
52.	Design and Implementation of Z-Source Based Multi-Level Inverter	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/47.pdf
53.	Compact Multiband Microstrip Fractal Antenna Design for Wireless Applications –An Overview	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/48.pdf
54.	Development of Hybrid Power Generation Model using Rain Water Solar & Wind	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/49.pdf
55.	Correlation for Variable selection In Secure SDLC	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/50.pdf
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57.	Sentiment Analysis and Visualization of Real-Time Twitter Data	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/52.pdf
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60.	Village Water Quality and Air Pollution Monitoring System	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/55.pdf

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63.	Robot for War Field with Night Vision Wireless Camera by Android Application	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/58.pdf
64.	A Study on Thermal Properties and Wear Characterization of Glass Fiber Hybrid Composite Materials	https://hsit.ac.in/NAAC/Cycle2/C3/3.3.2/59.pdf
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