

RTC PULSE

Rathinam Technical Campus-Monthly Newsletter



Farewell 2026 Glimpses



The Management Spearheads



Dr. Madan A. Sendhil
Chairman
Rathinam Group of Institutions



Dr. R. Manickam
Chief Executive Officer
Rathinam Group of Institutions



Dr. B. Nagaraj
Chief Business Officer
Rathinam Group of Institutions

The Academic Catalyst



Dr.K.Geetha
Principal



THE RTC FAMILY



“We don’t just work together — We grow, connect, and succeed as one family.”

Chief Editor

Ms.Sarah Ruby

Christina Alexander

Head Digital Transformation |
International Relations Manager

Student Editor

Mr.R.Nirmalkumar

Year-II
B.Tech.Biotechnology

Pictures Courtesy

Creative Team

Rathinam Group of Institutions
(RGI)

Behind the pages- Editorial Leads



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Vibe-Check Rathinam

A vibrant gathering to celebrate our rich cultural heritage and foster unity through joy, music, and shared traditions within our campus community.

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Empowering students to bridge the gap between academic learning and their dream corporate careers.

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Honoring exceptional students who demonstrate outstanding academic mastery, intellectual curiosity, and a consistent drive for excellence.

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Recognizing distinguished faculty who pioneer educational excellence, innovative research, and visionary leadership within our department

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Welcome onboard

Excited to have you join! Get ready for exclusive insights.

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Vibe-Check Rathinam



Cheers to the Class of 2026—Engineering the future, one dream at a time!



A Legacy in Motion: Farewell Day 2026

Rathinam Technical Campus: Celebrating Excellence and New Beginnings

Rathinam Technical Campus is soaring to new heights! We are proud to announce our #120 national rank in the Chronicles of India: AI & Technology Rankings 2026. Earning an A++ rating, RTC has been recognized as an "Institution of Transformative Learning," a testament to our faculty and students' dedication to innovation.

This spirit of excellence culminated on April 18, 2026, as we celebrated Farewell Day. We bid a nostalgic adieu to our seniors from the **Schools of Mechanical Science (SOM), Electrical Science (SOE) and Computer Science (SoC).**

Congratulations to our future-ready leaders—go transform the world!



CERTIFICATE

In recognition of its steadfast commitment to academic excellence, innovation, and the development of future-ready leaders, this certificate is proudly conferred upon

Rathinam Technical Campus

Ranked #120 across India, in the AI & Technology Rankings 2026, and recognized as Institutions of Transformative Learning in the Category: A++ (Rank Band 101-125)

Issued on: 10 April 2026

26-AIT-IN-120

Certificate ID

AI & TECH
EDUCATION RANKINGS

CHRONICLES-RANKINGS.COM




We are thrilled to announce that Rathinam Technical Campus has been officially recognized as a powerhouse of innovation! In the Chronicles of India: AI & Technology Rankings 2026, RTC secured an impressive #120 rank across the nation. Earning a spot in the prestigious A++ Category (Rank Band 101-125), the institution was honored as an "Institution of Transformative Learning." This accolade celebrates our unwavering commitment to academic excellence and our mission to shape future-ready leaders in technology. This milestone reflects the hard work of our faculty and students in pushing the boundaries of AI and technical education. Let's keep soaring!



**Rathinam
Technical
Campus**
hits
Top 120
in
**National AI
Rankings!**

OPERATION: AI SHIELD

Identifying the Enemy (Pain Points)



24.04.2026 **10 am - 4 pm**

• **Venue: A Tower - Hybrid Hub**

Organized by: Department of Emerging and Specialized Learning

Resource Person: Mrs. Abitha P / AP

Audience: All Faculty Members of RTC

Operation: AI Shield – Successfully Conducted

Rathinam Technical Campus proudly organized a one-day faculty development session titled “Operation: AI Shield – Identifying the Enemy (Pain Points)” on 24th April 2026, at the A Tower – Hybrid Hub.

The session, conducted from 10:00 AM to 4:00 PM, was organized by the Department of Emerging and Specialized Learning with the objective of empowering faculty members to understand and address key challenges in the evolving landscape of Artificial Intelligence.

The resource person, Mrs. Abitha P (AP), delivered an insightful and engaging session, focusing on identifying critical pain points in AI adoption, practical strategies to overcome them, and the importance of responsible and secure AI usage in academic environments.

The workshop witnessed active participation from faculty members across Rathinam Technical Campus, who benefited from interactive discussions, real-time examples, and hands-on insights. The session also emphasized strengthening awareness on AI risks, ethical considerations, and institutional readiness.

Overall, Operation: AI Shield was a highly impactful initiative that enhanced faculty understanding of AI-related challenges and equipped them with practical knowledge to integrate AI effectively and safely into teaching and learning practices.





**THE ALPHA CIRCLE
PLACEMENT HIGHLIGHTS
APRIL '26**

PLACEMENT HIGHLIGHTS

Department of Artificial Intelligence & Data Science



HARIPRASATH SETHURAM
 Kasadara



YUVARANI S.K.
 Kasadara



AMAL VYAS M
[24]7.ai



PRIYADHARSHINI V
[24]7.ai



GANAPATHY SUBRAMANIAN M
[24]7.ai



HEMALATHA R
 STATS PERFORM



DHANUSH RK
 STATS PERFORM



SUJITHA S
 STATS PERFORM



ABIRAMI R
 STATS PERFORM



AADHIKESAVAN D
 STATS PERFORM



AKASH
 cogent



REDONE RAJ
 Zappyworks



DHARUN A
 Zappyworks



DEEPAK PRANESH V
 STAR



SANTHOSH B
 STAR



VARUN KUMAR
 Amypo



SANJAY KUMAR
 Amypo



JOHN JEBAZ
 Amypo



SANJAI G
 Amypo



ASHWIN K
salesflow X.



SHAMLIN THISHA J
 HCL



LARRY LYSANDER V G
 foundever



MADHAN RAJ R
 Gradius

PLACEMENT HIGHLIGHTS

Department of Artificial Intelligence & Data Science



PRADEEP J
21 LPA



SASTIKA S
4 LPA



JOSHNA D
4 LPA



KALAIVANI T
4 LPA



ROSHAN JP
4 LPA



HARSHINI R
4 LPA



JANARTHANAN V
4.5 LPA



**HARI HARA
SUDAN S A**
4.5 LPA



KANISHKA C
4.5 LPA



THANISHYA R
4.5 LPA



GUGAN J
6.5 LPA



AKILESH R
4 LPA



AISHWARYA
8 LPA



SAM STEPHEN S
8.1 LPA



NITHIN S
6 LPA



DIVYA PRANAV A
8 LPA



**AKASH SARAVANA
SINGH R**
4.21 LPA



SIVAPRIYA S
4.21 LPA



SRIKUMARAN S
4.21 LPA



SANJAY S
4 LPA



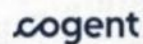
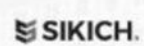
JAGADESHAN N
4 LPA



RANJITH KUMAR S
4 LPA



PRABAKARAN T
4 LPA



PLACEMENT HIGHLIGHTS

Department of Computer Science Engineering



DEEPAK PRASATH M
3 LPA



KARAN
3 LPA



SANDHIYA S
3 LPA



DHARSHANRAM S
3 LPA



MAGESHWARAN P
3 LPA



SAAJID S A
3 LPA



SUDHARSAN A V
3 LPA



ASWIN
SARAVANAN K
3 LPA



NEHA FATHIMA S
3 LPA



DHASANYA K
3 LPA



SRUTHY R
3 LPA



UMESH B
3 LPA



MOOVENDHRAN G
3 LPA



LOGESHWARAN
3 LPA



KAVIYA
3 LPA



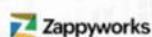
KEERTHANA G
3 LPA



FAWAZ AL WAZIR H
3 LPA



KALIRAJ T
3 LPA



SRIKUMARAN
Department of
AI&DS

ACHIEVED PLACEMENT IN

SIKICH.

RTC PLACEMENT
CLASS OF 2026

With an offer of

₹4.21
LPA



I AM PLACEMENT

SANJAI G
Department of
AI & DS

ACHIEVED PLACEMENT IN

IBM

RTC PLACEMENT
CLASS OF 2026

With an offer of

₹4.5
LPA



I AM PLACEMENT

SOUNDERMANI M
Department of
CSE

ACHIEVED PLACEMENT IN

SIKICH.

RTC PLACEMENT
CLASS OF 2026

With an offer of

₹4.21
LPA



I AM PLACEMENT

SIVAPRIYA
Department of
AI&DS

ACHIEVED PLACEMENT IN

SIKICH.

RTC PLACEMENT
CLASS OF 2026

With an offer of

₹4.21
LPA



I AM PLACEMENT

SHAMEEL AHAMED

Department of
CSE

ACHIEVED PLACEMENT IN

SIKICH.

RTC PLACEMENT
CLASS OF 2026

With an offer of
₹4.21
LPA



I AM PL

NIGIL ADTITHYA R

Department of
ECE

ACHIEVED PLACEMENT IN

tcs TATA
CONSULTANCY
SERVICES

RTC PLACEMENT
CLASS OF 2026

With an offer of
₹3.36
LPA



I AM PL

SALAMONRAJA

Department of
CSE

ACHIEVED PLACEMENT IN

tcs TATA
CONSULTANCY
SERVICES

RTC PLACEMENT
CLASS OF 2026

With an offer of
₹3.36
LPA



I AM PL

PRAVEENA

Department of
CSE

ACHIEVED PLACEMENT IN

SIKICH.

RTC PLACEMENT
CLASS OF 2026

With an offer of
₹4.21
LPA



I AM PL

KIPSAN AKASH M
Department of
CSE

ACHIEVED PLACEMENT IN

SIKICH.

RTC PLACEMENT
CLASS OF 2026

With an offer of

₹4.21
LPA



DEVIKA S
Department of
ECE

ACHIEVED PLACEMENT IN

SIKICH.

RTC PLACEMENT
CLASS OF 2026

With an offer of

₹4.21
LPA



KANNIGA M
Department of
IT

ACHIEVED PLACEMENT IN

SIKICH.

RTC PLACEMENT
CLASS OF 2026

With an offer of

₹4.21
LPA



ATCHAYA
Department of
CSE

ACHIEVED PLACEMENT IN

SIKICH.

RTC PLACEMENT
CLASS OF 2026

With an offer of

₹4.21
LPA



AKASH SARAVANA SINGH

Department of
AI&DS

ACHIEVED PLACEMENT IN



RTC PLACEMENT
CLASS OF 2026

With an offer of

₹4.21
LPA



ARATHANA

Department of
CSE

ACHIEVED PLACEMENT IN



RTC PLACEMENT
CLASS OF 2026

With an offer of

₹4.21
LPA



DAKSHIN KUMAR M

Department of
AI&DS

ACHIEVED PLACEMENT IN



RTC PLACEMENT
CLASS OF 2027

With an offer of

₹7.5
LPA



SHIBI CHAKRAVARTHY H

Department of
CSE (AIML)

ACHIEVED PLACEMENT IN



RTC PLACEMENT
CLASS OF 2027

With an offer of

₹7.5
LPA



A close-up photograph of several large, green, heart-shaped leaves, likely from a Philodendron, covered in numerous small, glistening water droplets. The lighting is soft, highlighting the texture of the leaves and the individual droplets. The overall color palette is a range of greens, from dark forest green to a lighter, almost yellowish-green where the droplets catch the light.

The Scholastic Stars

April '26 -STUDENT ACHIEVEMENTS

NPTEL Achievements

The Department of Biotechnology is immensely proud to celebrate the academic milestones of our second-year (C28) students. Demonstrating exceptional dedication, they have successfully navigated the rigorous Jan-Mar 2026 NPTEL online certification cycle.

These intensive eight-week programs, hosted via the national SWAYAM platform, represent the gold standard of technical and interdisciplinary education in India. By mastering complex curricula and clearing stringent assessments, our students have proven their mettle alongside the nation's brightest minds. This achievement not only enhances their technical proficiency but also reinforces our department's commitment to fostering a culture of continuous learning and innovation. Congratulations to our achievers!



Among the high achievers, **Dharsini R** stood out by earning an Elite Certification in Biointerface Engineering, demonstrating a profound mastery of the complex interactions between biological systems and synthetic materials. Joining her in this specialized domain is **Archiya R**, who successfully completed the Biointerface Engineering course, showcasing a strong dedication to the future of biomedical applications.

Further highlighting the interdisciplinary versatility of our students, **Shruthilaya A** successfully earned her certification in Data Science for Engineers. In an era where biotechnology increasingly intersects with computational analytics, her ability to bridge these fields is a testament to the forward-thinking mindset fostered within our department.

These achievements underscore our students' commitment to continuous learning and their readiness to master emerging technologies. Their success not only enriches their personal academic profiles but also inspires the entire department to strive for excellence. We extend our heartiest congratulations to these young scholars!

Congratulations



Rathinam Toastmasters Club meets every Thursday at the Think Tank Theater, following a disciplined Toastmasters International format. Sessions feature prepared speeches with constructive evaluations and energetic Table Topics for impromptu speaking. Managed by the Sergeant-at-Arms and Presiding Officer, every role is timed to ensure excellence. By recognizing top performers, the club fosters a professional environment where students master communication and leadership, growing together through mutual encouragement and teamwork.

MEET #3 WINNERS

Toastmasters International Rathinam Toastmasters Club



24-Hour Innovation: CHAKRAVYUHA

We celebrate the dynamic team of second-year IT students—Aaruran K, Balamurugan S, Naren Karthick P, Abiraj K, Elamathi B, and Jaishwa S—for their participation in CHAKRAVYUHA, a prestigious 24-hour National Level Hackathon. Held on April 1st and 2nd, 2026, at JJ College of Engineering and Technology, this grueling competition tested their coding endurance, problem-solving agility, and collaborative spirit.



We applaud Kaviya K (II yr/IT) for participating in the TechVista'26 Project Expo at KPR Institute of Engineering and Technology on April 21, 2026. This IEEE PES Day event provided a vital platform for showcasing innovative technical solutions and engineering excellence.



Congratulations to Mubeena A (II yr/IT) for participating in the AI Tools and ChatGPT workshop conducted by be10X on April 19, 2026. This online session equipped her with cutting-edge skills in generative AI, fostering innovation and enhancing her technical toolkit.



We commend Aaruran K and his talented peers from II yr/IT for participating in the ICXGA – 2K26 International Conference at Dhanalakshmi Srinivasan College of Engineering. Engaging with topics like Green Edge Computing and Explainable AI highlights their commitment to future-ready research.

A close-up photograph of several large, dark green leaves covered in numerous small, glistening water droplets. The leaves are layered, with some in the foreground and others in the background, creating a sense of depth. The lighting is soft, highlighting the texture of the leaves and the individual droplets.

The Academic Vanguard

April '26-FACULTY ACHIEVEMENTS



Driving Academic Excellence

This April, the Department hosted two pivotal meetings: the PAC (April 8) and BOS (April 17). Industry experts and faculty collaborated to refine the Regulation 2025 Curriculum, integrating emerging technologies and strengthening industry-academia ties. These initiatives ensure our students remain at the forefront of innovation and professional readiness.



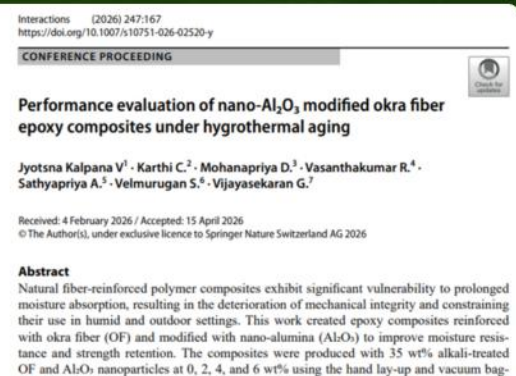
Mrs. G. Mangayarkarasi published research on PbO₂-ZrO₂ composite anodes, advancing electrochemical efficiency in wastewater treatment.

Ms. U. Sruthilaya co-authored a study on Sida Rhombifolia-Raffia fiber composites, utilizing multi-objective optimization for sustainable material engineering.



Faculty Spotlight: NPTEL Success

The Department congratulates Ms. Jaivarshini E, Assistant Professor of Biotechnology, for successfully completing the NPTEL certification in "Cell Biology: Cellular Organization, Division and Processes." Her achievement, backed by the Ministry of Education, underscores a commitment to professional growth and mastery of fundamental biological processes, further enriching our academic excellence.



Faculty Achievement: Research Publication

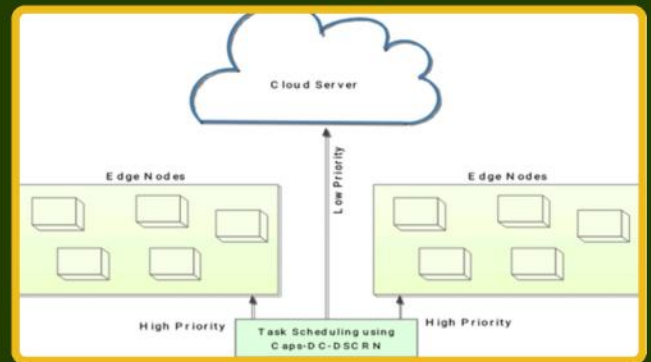
The Department applauds Dr. A. Sathyapriya, Assistant Professor of Biotechnology, for her research published in a prestigious Springer Nature proceeding. Her study on nano-Al₂O₃ modified okra fiber composites explores material durability under hygrothermal aging, marking a significant contribution to sustainable material science and enhancing our institution's global research profile.

ENGAGE, EMPOWER EDUCATE



Research Achievement: Advancing Collaborative Learning Innovative Pedagogy in Digital Education

The Department is proud to announce the publication of a new research article titled "Study Sync – Collaborative Student-Teacher Learning System" in the International Journal of Scientific Research In Engineering & Technology (IJSREAT). Featured in Volume 6, Issue 2 (March–April 2026), the study explores modern frameworks for enhancing interactive education through technology. This publication highlights our commitment to developing scalable, digital solutions that foster seamless collaboration between educators and students, ensuring a more integrated and effective learning environment.



Tech Innovation: Secure Cloud Computing

Optimizing Performance and Privacy

A new research milestone introduces a robust framework for cloud environments, merging Deep Learning with advanced cryptography. By utilizing the Caps-DC-DSCRN model for intelligent task scheduling and an Enhanced RSA (ERSA) algorithm for data security, the system optimizes system load while ensuring maximum confidentiality. This integration of the ChNiO optimization algorithm for stronger key generation provides a scalable, reliable, and secure solution for modern digital infrastructures. This work highlights the department's focus on bridging the gap between computational efficiency and cybersecurity.





AI in Healthcare The department congratulates Mr. Suresh Kumar A (AP/IT) for his IEEE paper submission on April 10, 2026. His research, "Vision Transformers Outperform CNNs in Skin Lesion Detection," showcases cutting-edge deep learning applications in dermatology. This work emphasizes our faculty's commitment to improving diagnostic precision through advanced medical imaging.



Generative AI Mastery Our faculty recently participated in the five-day FDP, "Generative AI for the Next Decade," hosted by Akshaya College of Engineering. From April 6–10, 2026, educators explored evolving AI architectures and practical applications, gaining vital tools to integrate cutting-edge technology into our curricula and lead future academic innovation.



The Department of Biotechnology proudly congratulates Thulir Balakrishnan for completing the "Prompt Engineering Applications" course. By mastering AI tools and prompt design, Thulir demonstrates a proactive commitment to digital literacy, perfectly blending biological sciences with cutting-edge technology. This achievement inspires our entire academic community.



We are delighted to celebrate Akila Jai Sri B. for successfully completing the "AI for Beginners" course. Her dedication to mastering foundational artificial intelligence concepts demonstrates a strong commitment to skill development. This achievement marks a significant step forward in integrating cutting-edge technology with biotechnology.

Interactions (2026) 247:167
<https://doi.org/10.1007/s10751-026-02520-y>

CONFERENCE PROCEEDING



Performance evaluation of nano- Al_2O_3 modified okra fiber epoxy composites under hygrothermal aging

Jyotsna Kalpana V¹ · Karthi C.² · Mohanapriya D.³ · Vasanthakumar R.⁴ · Sathyapriya A.⁵ · Velmurugan S.⁶ · Vijayasekaran G.⁷

Received: 4 February 2026 / Accepted: 15 April 2026
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Abstract

Natural fiber-reinforced polymer composites exhibit significant vulnerability to prolonged moisture absorption, resulting in the deterioration of mechanical integrity and constraining their use in humid and outdoor settings. This work created epoxy composites reinforced with okra fiber (OF) and modified with nano-alumina (Al_2O_3) to improve moisture resistance and strength retention. The composites were produced with 35 wt% alkali-treated OF and Al_2O_3 nanoparticles at 0, 2, 4, and 6 wt% using the hand lay-up and vacuum bagging methods followed by post-curing. Hygrothermal aging was performed through water immersion for durations of 550, 1050, and 2050 h, and the flexural, interlaminar shear (ILSS), dynamic mechanical, and moisture absorption properties were assessed. Alkali treatment enhanced fiber density from 451 to 472 kg m^{-3} and elevated the crystallinity index from approximately 37.3% to approximately 41.0%, hence enhancing fiber-matrix compatibility. In arid conditions, the peak flexural strength of around 53 MPa was attained at 2 wt% Al_2O_3 , indicating an enhancement of about 18% compared to the unfilled composite, which measured around 45 MPa. After 2050 h of moisture exposure, composites containing 6 wt% Al_2O_3 maintained approximately 76% of their flexural strength and almost 75% of their interlaminar shear strength, demonstrating exceptional hygrothermal durability. The maximum dry ILSS of approximately 15.8 MPa was recorded for the 6 wt% Al_2O_3 composite. Dynamic mechanical analysis indicated a rise in flexural modulus from approximately 6.0 GPa (neat composite) to around 8.2 GPa (6 wt% Al_2O_3), with approximately 76% modulus retention during extended immersion. Moisture absorption adhered to Fickian diffusion, exhibiting diminished diffusion coefficients at elevated Al_2O_3 loadings as a result of barrier effects generated by nanoparticles. The findings indicate

Research Excellence: Breakthrough in Sustainable Materials

The Department of Biotechnology celebrates the pioneering research of Mr. G. Vijayasekaran, Assistant Professor in Mechanical Engineering. His study on nano- Al_2O_3 modified okra fiber epoxy composites represents a major leap in material science. By strategically integrating nano-alumina, the research successfully overcame the inherent vulnerabilities of natural fibers, significantly boosting mechanical strength and moisture resistance.

These enhanced properties pave the way for sustainable, high-performance applications in the automotive, agricultural, and structural engineering sectors. This interdisciplinary achievement highlights the department's commitment to fostering engineering innovations that solve critical, real-world environmental and industrial challenges.

High-stability PbO_2 - ZrO_2 composite anodes for electrochemical oxidation and wastewater treatment

Jagannath Pattar¹ · Gnanasekaran Sasikumar² · Suresh Kumar K.³ · Anand C.⁴ · Mangayarkarasi G.⁵ · Girimurugan R.⁶ · Suriyaprakash L.⁷

Received: 4 February 2026 / Accepted: 15 April 2026
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Abstract

Conventional PbO_2 anodes suffer from poor adhesion, high oxygen evolution potential, and limited electrochemical stability, restricting their long-term industrial application. In this work, an $\text{Al/B/C} + 10$ wt% $\text{Ti}_2\text{O}_3/\text{PbO}_2$ - ZrO_2 composite electrode was fabricated using atmospheric plasma spraying for the buffer layer followed by electrochemical deposition of PbO_2 - ZrO_2 active coatings with ZrO_2 concentrations ranging from 1 to 3 g/L. The phase structure, surface morphology, and electrochemical performance were evaluated using XRD, SEM, open circuit potential, Tafel polarization, electrochemical impedance spectroscopy, cyclic voltammetry, and linear sweep voltammetry in 1 M H_2SO_4 solution. The electrode containing 2 g/L ZrO_2 exhibited optimal performance with a high OCP of 1.05 V, minimum corrosion current density of $1.6 \times 10^{-8} \text{ A cm}^{-2}$, polarization resistance of 560 Ω , and a reduced oxygen evolution potential of approximately 1.802 V, indicating

Sustainable Innovation The department honors Mr. L. Suriyaprakash (AP/Mechanical) for his research on PbO_2 - ZrO_2 composite anodes. By utilizing ZrO_2 nanoparticles, his work significantly enhances corrosion resistance and catalytic efficiency, providing a durable, energy-efficient solution for industrial wastewater treatment and environmental sustainability.



Your Proposal DBT/CTEP/04/20260360267 has been approved

message

ctepcell@dbt.nic.in
 to: rajtamilan89@gmail.com
 cc: principal@rathinamtechzone.com

Fri, 10 Apr, 2026 at 12:16 pm

Respected Sir/Madam,
 M Rajesh
 Rathinam Technical Campus (Autonomous)

Congratulations!

Your proposal with ID DBT/CTEP/04/20260360267 has been approved by DBT.

Below is the committee's remarks:

Recommended as per CTEP guidelines subject to an upper ceiling of Rs. 60,000/- for the complete event.

The grant would be released on submission of the following requisite documents:

1. Utilisation Certificate and Statement of Expenditure (UC and SE) as per the format available at CTEP Popular Lecture guidelines. The UC&SE should be duly signed and stamped by an independent Chartered Accountant in case the organisation is Non-Government.
2. A detailed report on the event clearly mentioning the number of participants.
3. Soft copy of lectures (PDF through email).
4. Duly verified Bank details of your organisation (Name as per bank records, bank name, branch name and address, account no, nature of account, IFSC code and MICR Code).

Claims should be submitted within 3 months of the successful completion of the event. Any claim received beyond this period will not be considered for payment.

The grant would be released as per DBT-CTEP norms at the earliest subject to availability of funds.

Innovation in Mechanical Engineering: Advanced Wastewater Solutions

The Department highlights the pioneering research of Mr. L. Suriyaprakash, Assistant Professor in Mechanical Engineering. His study on PbO_2 - ZrO_2 composite anodes addresses the durability challenges of conventional electrodes by incorporating ZrO_2 nanoparticles. This advancement significantly enhances corrosion resistance and catalytic efficiency, providing a high-stability, energy-efficient solution for industrial wastewater treatment and environmental sustainability.



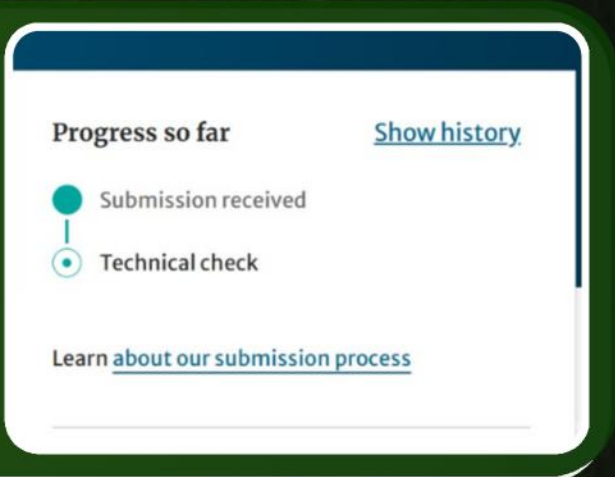
We honor Mr. Madhankumar C for his active participation in the "SECFORGTEK – EMPOWERHER 2026" online program. Held on March 8th to commemorate International Women’s Day, the event focused on the powerful theme “Secure. Strong. Empowered.” His involvement reflects a commendable commitment to fostering inclusivity and security awareness. We celebrate this contribution toward building a more empowered professional community through collaborative learning and technological advocacy.

Congratulations to Mathankumar C for successfully completing the “Unlocking AI for Everyone (Beginner)” certification. By mastering the fundamental concepts of artificial intelligence through this accessible program, Mathankumar has demonstrated a commendable initiative to bridge the gap between biotechnology and emerging digital trends. This achievement highlights a dedication to lifelong learning and ensures our students remain competitive and informed in an increasingly tech-driven global landscape. Well done on this academic milestone!



The Department proudly celebrates Rosalin Nancy Prabakaran for achieving the SOAR – AI to Aspire certification. Awarded by HCL Technologies in collaboration with NCVET, this Skill India-aligned qualification recognizes her competency at NSQF Level 4. This achievement highlights Rosalin’s dedication to mastering advanced AI frameworks, bridging the gap between academic theory and industrial excellence. Her success reflects our commitment to equipping students with elite, future-ready technical skills.

The Department celebrates the successful submission of the research paper “Optimization of Cloud Data Centre Resources Using Meta-Heuristic Approaches” to Springer Nature. Currently undergoing technical review, this study explores advanced resource management in cloud environments. This submission highlights our students' commitment to contributing high-impact research to the global scientific community.



Application Details	
APPLICATION NUMBER	202641041533
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	01/04/2026
APPLICANT NAME	1. Madhankumar C 2. Jeyaprabhu J 3. Janakiraman S 4. K.Anandhi 5. Prithvirajan PT 6. R.Srikanth 7. B.Akila Jai Sri
TITLE OF INVENTION	Adaptive Neural Resource Allocation Framework for Real-Time Federated Learning in Multi-Edge IoT Networks
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	madhankumar3002@gmail.com
ADDITIONAL-EMAIL (As Per Record)	madhankumar3002@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	10/04/2026

Application Status	
APPLICATION STATUS	Awaiting Request for Examination

[View Documents](#)

Filed
Published
RQ Filed
Under Examination
Disposed

Pioneering Innovation: Patent Filing Success

The Department of Biotechnology proudly celebrates Ms. Akila Jai Sri and her research team for their groundbreaking patent filing with the Government of India. Their invention, "Adaptive Neural Resource Allocation Framework for Real-Time Federated Learning in Multi-Edge IoT Networks," marks a significant advancement in Computer Science and decentralized AI. Filed on April 1, 2026, this framework optimizes resource allocation across complex IoT ecosystems, enhancing the efficiency of real-time machine learning. Currently in the publication stage, this achievement underscores our students' capacity for high-level technical innovation and their dedication to solving modern digital challenges through sophisticated intellectual property.

Academic Milestone: Book Publication

We are thrilled to announce that Mr. Mathankumar C has officially received the ISBN for his upcoming book, "Fundamentals of Data Engineering: Plan and Build Robust Data Systems." Allotted by the Indian ISBN Agency on April 7, 2026, this milestone (ISBN: 978-93-5810-320-5) recognizes Mathankumar's expertise in designing resilient data architectures. Publishing a technical volume is a remarkable feat that showcases deep intellectual rigor and a commitment to sharing knowledge. This contribution significantly enriches our academic community and inspires fellow students to pursue excellence in technical authorship.

Congratulations on this prestigious achievement!

Acknowledgement Slip

for ISBN (RRRNA),



Date [dd-mm-yyyy]: 07-04-2026

2026

4008|ISBN|2026|A

This ISBN has been officially issued by the **Indian ISBN Agency**

as publisher as per the standard format.

Engineering: Plan and Build Robust Data Systems

Product (Book)



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