



# RITE *Srujan*

31<sup>ST</sup> DEC, 2025  
VOL- II, ISSUE-II

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**RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING**

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## **RITE-Srujan Volume II, Issue II**

### **Message from the Desk of Principal**

It is a matter of immense pride and privilege to present the second issue of RITE-Srujan under Volume II, a publication that symbolizes the vision, values, and vibrant intellectual spirit of Radhakrishna Institute of Technology & Engineering. This magazine stands not merely as a collection of writings, but as a reflection of our collective journey toward academic excellence, innovation, and holistic development.



The articles, achievements, and creative contributions featured in this issue highlight the multidimensional growth of our institution. They showcase how our academic community is embracing emerging technologies, cultivating cultural awareness, and building a future driven by innovation and ethical values. Such initiatives reaffirm our commitment to preparing responsible professionals who contribute meaningfully to society.

As you turn the pages of this issue, may you find inspiration in the ideas shared, pride in the accomplishments celebrated, and motivation to continue striving for excellence. Let RITE-Srujan remain a guiding light that connects knowledge with creativity and tradition with transformation.



## **RITE-Srujan Volume II, Issue II**

### **Message from the Desk of Editor-in-Chief**

It is with immense pride and renewed enthusiasm that I present before you the second issue of RITE Srujan under Volume II — a reflection of the evolving vision, creativity, and intellectual dynamism that define the academic culture of Radhakrishna Institute of Technology & Engineering. Each edition of this magazine is more than a compilation of articles; it is a collective expression of ideas, aspirations, and achievements that shape our institutional identity.

In an era driven by innovation and transformation, platforms like RITE-Srujan play a vital role in nurturing voices that inspire change. This issue captures the spirit of exploration — from technical advancements and scholarly perspectives to literary creativity and glimpses of vibrant campus life. The diverse contributions showcased here demonstrate the commitment of our students and faculty toward excellence, critical thinking, and meaningful expression.

As you journey through this edition, I hope you discover inspiration, insight, and a deeper connection with the vibrant community that makes RITE truly special. Let this issue motivate us to think beyond boundaries, innovate with purpose, and continue building a culture where knowledge meets creativity.



# 2ND GRADUATION DAY



Radhakrishna Institute of Technology and Engineering proudly organized its 2nd Graduation Day Ceremony for the 2025 pass-out batch students on 24th December 2025 in the Seminar Hall, RITE. The occasion marked a significant milestone in the academic journey of the graduating students and celebrated their dedication, perseverance, and achievements.

The ceremony commenced with the traditional lighting of the ceremonial lamp, symbolizing knowledge and wisdom. The event was graced by distinguished dignitaries whose presence added prestige to the occasion.

Dr. Subash Ranjan Kabat, Principal of Radhakrishna Institute of Technology and Engineering, delivered the welcome address, warmly greeting the dignitaries, guests, and students. He highlighted the significance of the occasion and extended his best wishes to the graduating batch for a bright and successful future.

The Chief Guest, Prof. Saroj Ku. Sarangi, Principal of Government College Engineering, Keonjhar, delivered an inspiring and thought-provoking address. In his speech, he emphasized the importance of continuous learning, innovation, and professional ethics in shaping a successful career. He encouraged the graduating students to remain committed to excellence and to contribute meaningfully to society through their knowledge and skills.

The Guest of Honour, Mr. Vineet Mohan Gupta, Chairman of JRG Educational Trust, congratulated the graduates and highlighted the institute's dedication to academic excellence and holistic development. He appreciated the relentless efforts of the faculty members in mentoring and guiding the students.

The ceremony was further graced by Dr. Rebecca Bhattacharya, Member of the Management Committee. She extended her heartfelt congratulations and motivated the students to face future challenges with confidence and determination.

The 2nd Graduation Day of Radhakrishna Institute of Technology and Engineering concluded with a vote of thanks by Dr. Chandrabhanu Malla, Dean(Academics) expressing sincere gratitude to the dignitaries, faculty, staff, parents, and students for making the event a memorable and grand success.

# Important Days:



## *Institutions Innovation Day 15/10/2025*



Radhakrishna Institute of Technology and Engineering proudly celebrated Institutions Innovation Day on 15th October 2025, coinciding with the 94th Birth Anniversary of Dr. Abdul Kalam, India's most beloved scientist, visionary leader, and former President. The event was organized under the aegis of the IIC and IQAC to pay homage to the "Missile Man of India" and to reinforce his ideals of innovation, integrity, and education among young technocrats. The central theme of the celebration was: "*Honouring the Vision of the Missile Man & Inspiring Innovation Across Generations.*"

## *150th Anniversary of Vande Mataram 07/11/2025*

Radhakrishna Institute of Technology and Engineering solemnly celebrated the 150th Anniversary of Vande Mataram on 07/11/2025. The program honored the patriotic spirit and historical significance of the national song through speeches, cultural performances, and student participation, inspiring unity, pride, and deep respect for the nation's rich heritage.



## *National Entrepreneur's Day 09/11/2025*



Radhakrishna Institute of Technology and Engineering celebrated National Entrepreneur's Day on 09/11/2025 with great enthusiasm. The event encouraged innovation, leadership, and startup culture among students through expert talks, interactive sessions, and idea presentations, motivating aspiring entrepreneurs to transform creative visions into successful and sustainable ventures.

## *National Education Day 11/11/2025*

Radhakrishna Institute of Technology and Engineering celebrated National Education Day on 11/11/2025 with academic fervor. The program highlighted the importance of quality education, intellectual growth, and lifelong learning through speeches and student activities, inspiring learners to pursue knowledge, innovation, and excellence for personal development and national progress.



# National Pollution Control Day 02/12/2025



Radhakrishna Institute of Technology and Engineering observed National Pollution Control Day on 02/12/2025 with active participation from students and faculty. The program emphasized environmental awareness, sustainable practices, and responsibility towards nature through pledge-taking, awareness talks, and initiatives encouraging pollution reduction for a cleaner, healthier, and greener future.

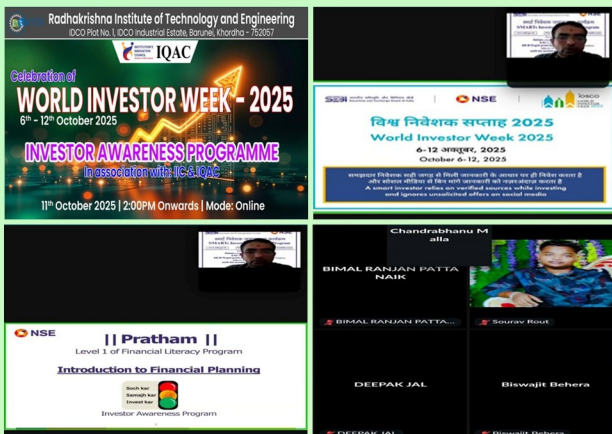
# National Energy Conservation Day 14/12/2025

Radhakrishna Institute of Technology and Engineering celebrated National Energy Conservation Day on 14/12/2025 with great enthusiasm. The program highlighted the importance of energy efficiency, renewable resources, and responsible consumption through awareness sessions and student activities, encouraging sustainable habits for environmental protection and long-term national development.



## SEMINAR & WORKSHOP

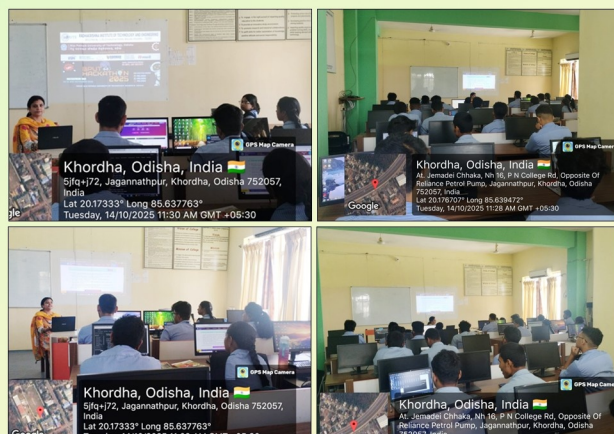
### “Smart Investor” Awareness Program 11/10/2025



Radhakrishna Institute of Technology and Engineering organized a Smart Investor Awareness Program on 11/10/2025 to enhance financial literacy among students. The session covered investment basics, risk management, savings strategies, and long-term financial planning through expert guidance and interactive discussions. The program empowered participants to make informed financial decisions and develop disciplined investment habits for a secure and stable future.

### “BPUT Hackathon” Awareness Program 14/10/2025

Radhakrishna Institute of Technology and Engineering organized a BPUT Hackathon Awareness Program on 14/10/2025 to encourage innovation and technical excellence among students. The session provided insights into hackathon guidelines, problem statements, teamwork strategies, and project development. Faculty mentors motivated participants to showcase creativity and coding skills, inspiring them to actively participate and represent the institution with confidence and competence.



## Awareness Program on “Cyber Fraud” 21/10/2025



On 21 October 2025, Radhakrishna Institute of Technology and Engineering organized an awareness program on cyber fraud to educate students about rising online threats in association with Khordha Police. The event highlighted safe internet practices, common fraud techniques, and preventive measures. Through interactive discussions and real-life examples, students learned how vigilance, digital literacy, and responsible online behavior can help protect individuals from cybercrime.

## Workshop on “AI&ML using Python” 07/11/2025

On 7th November 2025, Radhakrishna Institute of Technology and Engineering organized a workshop on Artificial Intelligence and Machine Learning using Python in collaboration with Pythonsoft LLP, Bhubaneswar. The session introduced students to fundamental concepts of AI and ML and their practical applications. Through hands-on demonstrations and coding exercises, participants gained valuable insights into emerging technologies and their growing importance in modern computing.



## Expert Session on “From Data to Impact” 27/11/2025



On 27 November 2025, Radhakrishna Institute of Technology and Engineering organized an expert session titled “From Data to Impact.” in association with Eduskills Foundation. The program highlighted how data analysis can drive meaningful decisions and real-world solutions. Speakers discussed the importance of data-driven thinking, practical applications, and emerging opportunities, inspiring students to harness data effectively for innovation, research, and societal development.

## “Investor Awareness Workshop” 06/12/2025

On 6 December 2025, Radhakrishna Institute of Technology and Engineering in association with Association of Mutual Funds in India hosted an Investor Awareness Workshop to educate students about financial literacy and responsible investing. The session covered basic investment options, risk management, and the importance of informed financial decisions. Experts shared practical insights, encouraging students to develop smart saving habits and build a secure financial future.



# Expert Session on “Career Path and Job Opportunities” 16/12/2025



On 16 December 2025, Radhakrishna Institute of Technology and Engineering conducted an expert session on “Career Path and Job Opportunities.” in association with Eduskills Foundation. The session guided students on emerging career options, required skills, and industry expectations. The speaker shared valuable advice on career planning and professional growth, motivating students to explore diverse opportunities and prepare effectively for their future careers.

# Expert Session on “Ace your Interview with Smart Skills and Smarter AI” 18/12/2025

On 18 December 2025, Radhakrishna Institute of Technology and Engineering organized an expert session titled “Ace Your Interview with Smart Skills and Smarter AI.” in association with Eduskills Foundation. The session focused on interview preparation, communication skills, and the effective use of AI tools. The speaker shared practical tips to help students build confidence, improve performance, and succeed in modern recruitment processes.



# “Spiritual Session” 30/12/2025

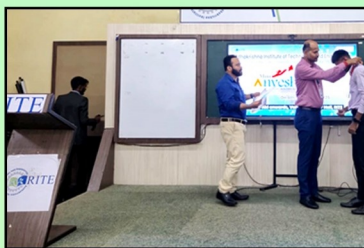


On 30 December 2025, Radhakrishna Institute of Technology and Engineering organized a Spiritual Session in association with Prajapita Brahma Kumaris Ishwariya Vishwa Vidyalaya, Bhubaneswar. The session focused on inner peace, positive thinking, and stress management. Through insightful guidance and meditation practices, students were inspired to maintain a balanced mind, develop strong values, and lead a disciplined life.

# Appreciation to the Institute



# MINI ANVESHANA



On 6th November 2025, Radhakrishna Institute of Technology and Engineering proudly organized “MINI ANVESHANA 2025” in association with Agastya International Foundation, a vibrant platform dedicated to nurturing curiosity, creativity, and research-oriented thinking among students. The event aimed to encourage young minds to explore innovative ideas, present research concepts, and showcase their problem-solving abilities.

The program commenced with a warm welcome address, followed by the inauguration ceremony that highlighted the importance of research and innovation in today’s rapidly evolving world. Faculty members emphasized the need for analytical thinking, experimentation, and continuous learning as key pillars of academic growth.

“MINI ANVESHANA 2025” was truly a remarkable initiative that inspired students to think beyond textbooks and step into the world of discovery. The event reaffirmed our institution’s commitment to fostering a culture of research, innovation, and academic excellence.

## Winners



# OUTREACH PROGRAM (SCHOOL MENTORSHIP)

## Basic Digital and Computer Literacy" Under the BPUT School Mentorship on 23-10-2025



On 23 October 2025, Radhakrishna Institute of Technology and Engineering conducted an outreach program at Sankarsan Godi Godisahi (SGG) Vidyapitha, Godi, Khordha, on "Basic Digital and Computer Literacy" under the Biju Patnaik University of Technology School Mentorship initiative. Organized with IIC, IQAC, and NSS Wing-RITE, the program aimed to enhance digital awareness and equip school students with fundamental computer knowledge.

## School Mentorship 30/10/2025

On 30 October 2025, a School Mentorship Program was conducted at Kendriya Vidyalaya-2, CRPF Campus, Bhubaneswar. Engaging students in interactive sessions on career awareness, innovation, and personal development. Mentors shared practical insights, encouraged critical thinking, and motivated learners to explore diverse opportunities. The program aimed to inspire confidence, nurture curiosity, and guide students toward informed academic and career



## School Mentorship Program with B.J.B. High School, Khordha on 08/12/2025



On 8 December 2025, Radhakrishna Institute of Technology and Engineering conducted a School Mentorship program with BJB Highschool, Khordha. The initiative aimed to guide students on academic planning, digital literacy, and career awareness. Through interactive sessions and practical demonstrations, participants were motivated to enhance their skills, build confidence, and prepare for future educational and professional opportunities.

## School Mentorship Program with Girls High School, Khordha on 08/12/2025

On 8 December 2025, Radhakrishna Institute of Technology and Engineering organized a School Mentorship program with Girls Highschool, Khordha. The program focused on empowering students through guidance on academics, digital skills, and career planning. Interactive sessions encouraged confidence-building, skill development, and motivation helping students prepare for future educational and professional opportunities.



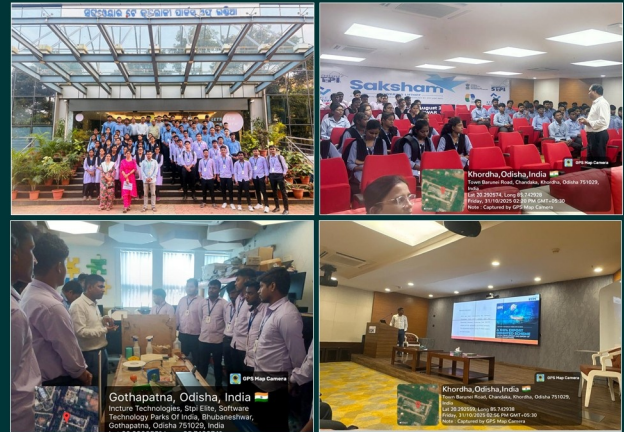


## Mentoring session at O-Hub 25/10/2025

On 25 October 2025, a mentoring session under the “Mentor Connect Series” was organized by Startup Odisha at O-Hub. Centered on the theme “Blue Economy 2.0 – CleanTech for Inclusive Growth & Women Empowerment,” the session guided aspiring innovators on sustainable entrepreneurship, highlighting opportunities in clean technology and encouraging women-led initiatives for inclusive economic development.

## Visit to “STPI” 31/10/2025

On 31 October 2025, Radhakrishna Institute of Technology and Engineering organized an educational outreach program to the Software Technology Parks of India (STPI). The visit provided students with insights into India’s IT infrastructure, software incubation, and emerging technologies. Participants explored innovation-driven workspaces, learning about entrepreneurship, digital growth, and the role of STPI in fostering technological advancement.



# FESTIVALS

## Dhanteras Celebration:

The celebration of Dhanteras was held on 19/10/2025 at Radhakrishna Institute of Technology and Engineering campus with great enthusiasm and festive spirit. Students, faculty members, and staff actively participated in the celebration. The campus was beautifully decorated, creating a joyful and vibrant atmosphere. The event highlighted the cultural and traditional significance and unity among the college community.



## Diwali Celebration:



The celebration of Diwali was held on 20/10/2025 at the campus of Radhakrishna Institute of Technology and Engineering with great enthusiasm and festive spirit. Students, faculty, and staff actively participated in the event. The campus was beautifully decorated with lights and traditional decorations, creating a joyful atmosphere. The celebration promoted cultural values, unity, and positivity while spreading the message of happiness, prosperity, and togetherness among the college community.



# MULTI DISCIPLINARY PROJECT (MDP)

The Multi Disciplinary Project was successfully conducted from 16-10-2025 to 21-11-2025 at RITE Campus. The program encouraged students to apply knowledge from multiple disciplines to develop innovative solutions to real-world problems. Through teamwork, research, and practical implementation, students enhanced their creativity, technical skills, and problem-solving abilities, making the project a valuable learning experience.

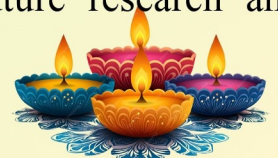


## FINAL PRESENTATION OF MULTI DISCIPLINARY PROJECT 29/11/2025



The Multi Disciplinary Project Presentation was held on 29-11-2025 at the RITE Campus to encourage innovative thinking and collaborative learning among students. Participants presented projects that integrated knowledge from different disciplines to address real-world challenges. The event provided a valuable platform for students to showcase their creativity, technical skills, and problem-solving abilities while promoting research and teamwork.

Faculty members and subject experts evaluated the projects, offering constructive feedback and guidance to enhance students' ideas. The event also fostered confidence, communication skills, and a spirit of innovation, inspiring participants to pursue future research and entrepreneurial endeavors.



# PLACEMENT DRIVE

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**IPSITA SINGH**  
CSE | 2022-26  
Regd. No: 2201367034



**KANHU CHARAN DASH**  
CSE | 2022-26  
Regd. No: 2201367035



**KSHIROD KU. MAHANTA**  
CSE | 2022-26  
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**LUBNA PRAWEEN**  
CSE | 2023-26  
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**SUKANTA KU. PRADHAN**  
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**SREYAS PATNAIK**  
CSE | 2022-26  
Regd. No: 2201367073



**SUBRAJIT MUDULI**  
CSE | 2022-26  
Regd. No: 2201367078



**CHUMAN SAHOO**  
MBA | 2024-26  
Regd. No: 2406424003



**JAGABANDHU NAYAK**  
MBA | 2024-26  
Regd. No: 2406424008



**KARAN BAG**  
MBA | 2024-26  
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**SISIR KU. MAHARANA**  
MBA | 2024-26  
Regd. No: 2406424029

# JRG SPORTS CARNIVAL

## Inauguration Ceremony 11/11/2025



The Inauguration Ceremony of the JRG Sports Carnival 2025–26 was held on 11/11/2025 at Radhakrishna Institute of Technology and Engineering with great enthusiasm and energy. The event marked the beginning of a series of exciting sports activities aimed at promoting fitness, teamwork, and sportsmanship among students. Faculty members and students gathered to witness the opening ceremony, which created a vibrant and motivating atmosphere across the campus.

## Chess (Boys & Girls) 12/11/2025



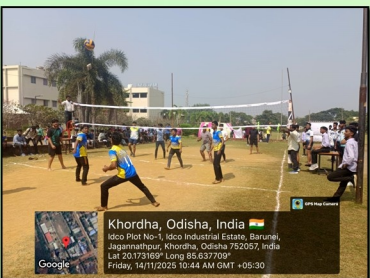
The Chess (Boys & Girls) Competition was held on 12/11/2025 during the JRG Sports Carnival 2025–26. Students actively participated, showcasing strategy, focus, and sportsmanship. The event provided a platform to display analytical skills and competitive spirit, making it engaging for all.

## Carrom (Boys & Girls) 13/11/2025

The Carrom (Boys & Girls) Competition was held on 13/11/2025 during the JRG Sports Carnival 2025–26 at Radhakrishna Institute of Technology and Engineering. Students actively participated, showcasing precision, focus, and sportsmanship, creating an engaging atmosphere that encouraged teamwork and enthusiastic participation.



## Volleyball 14/11/2025



The Volleyball Competition on 14/11/2025 at JRG Sports Carnival 2025–26, held at Radhakrishna Institute of Technology and Engineering, saw enthusiastic student participation. Teams displayed coordination, agility, and determination, while lively spectator support highlighted the significance of teamwork, discipline, and physical fitness.

## Kho Kho 14/11/2025

The Kho-Kho Competition on 14/11/2025 at JRG Sports Carnival 2025–26, held at Radhakrishna Institute of Technology and Engineering, featured energetic participation. Students displayed speed, agility, and quick thinking, while thrilling matches promoted teamwork, coordination, decision-making, and the spirit of traditional sports.



# Balance Race 15/11/2025



The Balance Race on 15/11/2025 at JRG Sports Carnival 2025–26, held at Radhakrishna Institute of Technology and Engineering, saw enthusiastic participation. The event tested concentration, coordination, and balance, while lively support created excitement, promoting confidence, discipline, and healthy competition among students.

# High Jump (Boys & Girls) 15/11/2025

The High Jump event at the JRG Sports Carnival showcased students' agility, determination, and competitive spirit. Participants demonstrated impressive athletic ability while clearing increasing heights with confidence and precision, creating excitement and encouragement, and highlighting the importance of sportsmanship, perseverance, and physical fitness among students.



# Long Jump (Boys & Girls) 15/11/2025



The Long Jump event at the JRG Sports Carnival showcased students' strength, speed, and determination. Participants displayed excellent coordination and technique while achieving impressive distances. The lively atmosphere and cheering encouraged confidence, athletic spirit, and healthy competition, making the event exciting and memorable for everyone.

# Discus Through 15/11/2025

The Discus Throw event at the JRG Sports Carnival displayed the strength, focus, and technique of the participants. Students competed with great determination, aiming to achieve the longest throw. The event created an atmosphere of excitement and encouragement, allowing athletes to showcase their talent while promoting sportsmanship, confidence, and a spirit of healthy competition among all participants.



# Cricket 17/11/2025 - 18/11/2025

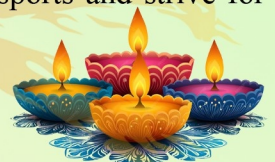
The Cricket matches held during the JRG Sports Carnival (17–18 Nov 2025) created excitement and strong team spirit on campus. Students showcased excellent batting, bowling, and fielding skills, while the tournament promoted sportsmanship, teamwork, discipline, and healthy competition among participants and spectators.



# Prize Distribution Ceremony - 19/11/2025



The JRG Sports Carnival 2026 Prize Distribution Ceremony, held on 19/11/2025, celebrated the achievements of talented participants. Winners were honored for their outstanding performances, while the event recognized dedication, sportsmanship, and teamwork, inspiring students to actively engage in sports and strive for excellence.



# Coursera Certificates:



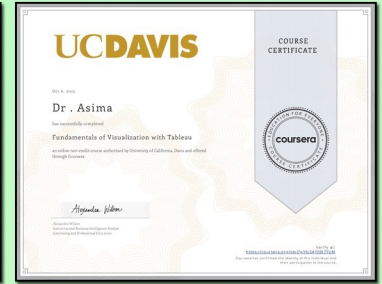
Dr. Sushanta Kumar Pradhan



Dr. Sushanta Kumar Pradhan



Dr. Asima Manjari Dash



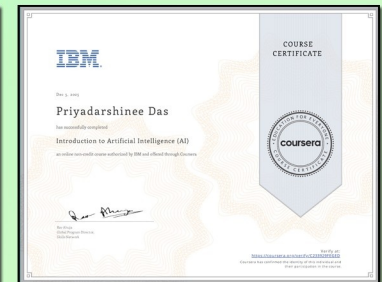
Prof. Bimal Ranjan Pattanaik



Prof. Alok Nath



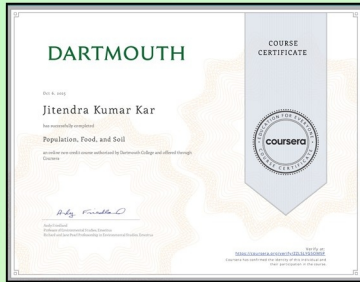
Prof. Priyadarshini Das



Prof. Nibedita Behera



Prof. Debashis Parida



Prof. Jitendra Ku. Kar



Prof. Prateek Das



Prof. Prateek Das



Prof. Rasmitha Lenka



Prof. Rasmitha Lenka



Prof. Sucharita Nathsharma



Prof. Kamala Kanta Pradhan



Prof. Pragyantit Jena



Prof. Pragyantit Jena



Prof. Swagatika Mohapatra



Prof. Saswati Mohanty



Prof. Saswati Mohanty



Prof. Biswajit Sahoo



Mr. Gobinda Chandra Rath



Mr. Gobinda Chandra Rath

# Wisdom Corner



Waste heat recovery (WHR) plays a crucial role in mechanical engineering by improving energy efficiency, promoting sustainability, and reducing environmental impact, as a significant portion of energy in mechanical systems is lost as heat, especially in high-temperature processes; by capturing and reusing this heat, overall efficiency increases while fuel consumption and emissions decrease. Advanced WHR techniques include Heat Recovery Steam Generators (HRSGs), which utilize exhaust heat from turbines or engines to produce steam for additional power generation, enhancing system efficiency and enabling combined heat and power; the Organic Rankine Cycle (ORC), which uses low-boiling organic fluids to convert low- to medium-temperature waste heat (80°C–300°C) into electricity; Thermoelectric Generators (TEGs), which directly convert heat into electricity using the Seebeck effect, offering compactness and

## Faculty Achievements



Dr. Subash Ranjan Kabat

Dr. Chandrabhanu Malla



Dr. Sushanta Kumar Pradhan



Prof. Pragyanjit Jena



Prof. Priyanka Shit



Dr. Subash Ranjan Kabat



Dr. Chandrabhanu Malla



Prof. Alok Nath









## RADHAKRISHNA INSTITUTE OF TECHNOLOGY AND ENGINEERING

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