



RAMCO INSTITUTE OF TECHNOLOGY (An Autonomous Institution)

Approved by AICTE, New Delhi & Affiliated to Anna University
NAAC Accredited with 'A+' Grade & An ISO 9001: 2015 Certified Institution
NBA Accredited UG Programs: CSE, EEE, ECE, MECH and CIVIL



IIC Calendar Year 2024 – 2025



REPORT ON RIT – IIC ACTIVITIES

Institution Innovation Council (IIC) of RIT was established in September, 2019. Under the guidelines of MoE Innovation Cell (MIC), various activities under the themes:

- Innovation
- Entrepreneurship
- Start-ups
- Intellectual Property Rights

are being planned and conducted. These programs are organized and executed through various cells of RIT including RIT Entrepreneurship Development Cell (RIT ED-Cell), RIT Intellectual Property Rights Cell (RIT IPR Cell). RIT IIC have secured 3.5-star rating for the academic year 2023 – 2024 (IIC 6.0)



Entrepreneurship Development Cell in Ramco Institute of Technology (RIT ED-Cell) was constituted and inaugurated in 2014 with a vision to create entrepreneurial awareness and to inculcate entrepreneurial skills among students. From then, RIT ED-Cell conducts various awareness and motivational programme for the students and encourages them to participate in various programs outside the institution. The entrepreneurial track for the students at RIT is:

SL. NO.	TITLE OF THE PROGRAMME	TARGET STUDENTS
01.	Orientation & Awareness on Entrepreneurship	II year students
02.	Motivational talk by Entrepreneurs	II, III & IV year students
03.	Lecture and interaction session with Entrepreneurs	II, III & IV year students
04.	Awareness on Intellectual Property Rights	III & IV year students
05.	Lecture on Innovation and Product Development	III & IV year students
06.	Interaction with Alumni Entrepreneurs	III & IV year students
07.	Awareness on Government Support Schemes	III & IV year students
08.	Hands on experience in Electronic Gadget servicing	III & IV year students
09.	Lecture on Banking procedure	IV year students

Beyond these organized programs the students are motivated to participate in events like Business plan (B-plan) preparation, Customer Relationship Management (CRM), Business quiz, taking off business, etc. organized by other institutions and organizations.

CONSOLIDATED REPORT

Program Number	Title of the Program
1.	Orientation on IIC and Entrepreneurship Ecosystem at RIT
2.	Seminar on Acceleration and Business Support to Students and Faculties
3.	From Idea to Impact - Motivational Session by Successful Entrepreneur/Start-up Founder
4.	National Innovation Day Celebration
5.	Seminar on the basics of IPR and its Importance for Innovators and Entrepreneurs
6.	Three-Day Idea Pitching Event for MSME Idea Hackathon 2025
7.	Crack the Hack MSME 4.0
8.	Half-day Workshop on “Protect Your Innovations: A Comprehensive Guide to IPR”
9.	Session on Achieving Problem-Solution Fit & Product-Market Fit
10.	Investor Awareness Programme
11.	Half-day Workshop on Problem Solving and Ideation: A process from Thoughts to Innovation
12.	Seminar on “From Ideas to Action: Building a Product”
13.	A Seminar on Government Support Systems to Early Stage Entrepreneurs
14.	Seminar on Developing an Innovation Culture
15.	Workshop on Copyright Registration: A comprehensive guide for creators
16.	Session on Accelerators/Incubation – Opportunities for Students & Faculties – Early-Stage Entrepreneurs
17.	Two-Day Idea Pitching Event for MSME Idea Hackathon 2025
18.	Lean Startup & Minimum Viable Product/ Business
19.	Session on Angel Investment/VC Funding Opportunity for Early Stage Entrepreneurs
20.	Introduction to IPR, EDC and IIC
21.	My Story - Motivational Session by Successful Innovators
22.	Business Idea and Business Model Canvas (by EDII)
23.	From Ideas to Impact: Prototype and Process Design for Innovation
24.	Workshop on Intellectual Property Rights (IPRs) and IP management for start-ups
25.	Session on “How to plan for Start-up and legal & Ethical Steps”

PROGRAM 1:

Title: Awareness session on NASA International Space Apps Challenge

Organizer: RIT IIC

Date: 05.09.2024

Students participated: 52

Resource Person: Mr.R.Arun Kumar, AP-III / Mech & Coordinator, RIT-ED Cell

Brief description of the programme:

The seminar titled *"IIC and Entrepreneurship Ecosystem at RIT"* was conducted with great enthusiasm, aiming to educate and inspire students about innovation and entrepreneurship. Mr. R. Arun Kumar, Assistant Professor (SG) in the Mechanical Engineering Department, RIT, and the Convener of RIT-IIC, served as the esteemed resource person for the session. The primary goal of the seminar was to familiarize students and faculty with the framework and activities of the Institution's Innovation Council (IIC) and to highlight the vibrant entrepreneurship ecosystem at RIT. The session was designed to:

- Provide an overview of the IIC's role in fostering innovation and entrepreneurship.
- Outline the support mechanisms available for budding entrepreneurs at RIT.
- Encourage active participation in IIC activities to nurture innovative thinking and entrepreneurial skills.

Photos of event:





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**RIT INSTITUTION'S INNOVATION COUNCIL
RIT ENTREPRENEURSHIP DEVELOPMENT CELL**

**ORGANIZES
ORIENTATION SESSION ON**

**INSTITUTION'S INNOVATION COUNCIL
AND ENTREPRENEURSHIP ECOSYSTEM
AT RIT**



RESOURCE PERSON:



**MR.R.ARUN KUMAR
AP(SG)/MECH
CONVENER, RIT-IIC
PATENT AGENT (IN/PA-4439)**

9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE

TARGET 9+B

**SUPPORT DOMESTIC
TECHNOLOGY
DEVELOPMENT AND
INDUSTRIAL
DIVERSIFICATION**



05 Septemeber 2024



BIL02 - CSBS Class Room



10:30AM to 12:30PM

PROGRAM 2:

Title: Seminar on Acceleration and Business Support to Students and Faculties

Date: 09.09.2024

Mode: Offline

Students participated: 41

Resource Person: Dr.G.Prabu ram, MIC Innovation Ambassador, ASP-I,
Department of Mechanical Engineering, Ramco Institute of Technology

Brief description of the programme:

The seminar titled "**Acceleration and Business Support to Students and Faculties**" was conducted to provide insights into the resources and strategies available for fostering entrepreneurial ventures within the academic community. The session was led by Mr. G. Prabu Ram, Assistant Professor (SG) in the Mechanical Engineering Department, RIT, a renowned academic and innovation ambassador. The seminar aimed to:

- ✓ Educate participants about the acceleration programs and business support services available
- ✓ Highlight the significance of entrepreneurial thinking among students and faculty.
- ✓ Guide attendees in navigating the transition from innovative ideas to sustainable businesses.

Photos of event:





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**RIT INSTITUTION'S INNOVATION COUNCIL
RIT ENTREPRENEURSHIP DEVELOPMENT CELL
ORGANIZES
SEMINAR ON**


ACCELERATION AND BUSINESS SUPPORT TO STUDENTS AND FACULTIES



RESOURCE PERSON:



**MR.G.PRABU RAM
AP(SG)/MECH
RIT
MIC INNOVATION AMBASSADOR**

8 DECENT WORK AND ECONOMIC GROWTH 	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 
TARGET 8.3	TARGET 9.B
	
PROMOTE POLICIES TO SUPPORT JOB CREATION AND GROWING ENTERPRISES	SUPPORT DOMESTIC TECHNOLOGY DEVELOPMENT AND INDUSTRIAL DIVERSIFICATION



09 September 2024



BIL03 - Mechanical Class Room



10:30AM to 12:30PM

PROGRAM 3:

Title: From Idea to Impact - Motivational Session by Successful Entrepreneur/Start-up Founder

Date: 26.09.2024

Students participated: 85

Resource Person: Mr.Prathip, Co-Founder, Maniyak Engineering Private Limited, Coimbatore

Brief description of the programme:

The session titled “From Idea to Impact” was conducted by Mr. Prathip, Co-Founder of Maniyak Engineering Private Limited, Coimbatore. The speaker shared his entrepreneurial journey, highlighting the challenges, strategies, and key turning points that shaped his venture’s success. He emphasized the importance of innovation, persistence, and problem-solving in transforming an idea into a viable business model. Mr. Prathip also discussed the role of networking, market research, and customer-centric design in sustaining a start-up in today’s competitive environment. The interactive session encouraged students to think creatively, identify local problems with scalable solutions, and take their first step towards entrepreneurship with confidence.

Photos of event:





PROGRAM 4:

Title: National Innovation Day Celebration

Date: 15.10.2024

Students participated: 37

Resource Person: Mr.R.Arun Kumar, AP-III / Mech & Coordinator, RIT-ED Cell

Brief description of the programme:

The National Innovation Day was celebrated with great enthusiasm and intellectual vigour at Ramco Institute of Technology on 15th October 2024. The event served as a platform to emphasize the critical role of innovation in shaping the future of India and to recognize the strides made in this field. The keynote session was delivered by Mr. R. Arun Kumar, AP(SG)/Mech, and Innovation Ambassador, whose extensive expertise provided an enriching experience for the attendees.

The session focused on India's Progress in the Global Innovation Index (GII), highlighting the country's remarkable achievements and the challenges yet to be addressed. Mr. Arun Kumar presented a detailed analysis of India's consistent improvement in the GII rankings, attributing the success to initiatives like the Startup India campaign, increased investment in R&D, and a robust intellectual property framework. The session detailed about the role of innovation in achieving the Sustainable Development Goals (SDGs).

Photos of event:



Poster of the Event:



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RIT INSTITUTION'S INNOVATION COUNCIL

CELEBRATES
NATIONAL INNOVATION DAY

PROGRESS & OPPORTUNITIES IN
INNOVATION - ROLE OF
INNOVATION IN ACHIEVING SDG



INNOVATION DAY
INNOVATE. AUTOMATE. EMPOWER



RESOURCE PERSON



MR. R. ARUN KUMAR
AP(SG)/MECH, RIT
CONVENER, RIT-IIC
MIC INNOVATION AMBASSADOR



15 October 2024



B1L03



3:00PM to 5:00PM

PROGRAM 5:

Title: Seminar on basics of IPR and its Importance for Innovators and Entrepreneurs

Date: 19.10.2024

Students participated: 31

Resource Person: Mr.R.Arun Kumar, AP-III / Mech & Patent Agent (IN/PA-4439)

Brief description of the programme:

The seminar started with a formal Welcome Address and introduction about the resource person. The session on "Protecting Innovations through IP Rights" was handled by Mr. R. Arun Kumar, Assistant Professor (SG) in Mechanical Engineering and a certified Patent Agent (IN/PA-4439). The event aimed to provide insights into Intellectual Property Rights (IPR) and their practical applications in academic and professional settings. The session was also about the IP filing practices that is been followed at Ramco Institute of Technology.

During the session, Mr. Arun Kumar discussed the fundamental aspects of IPR, including its significance in protecting innovations and fostering a culture of creativity. He discussed about different types of IP rights and the suitable intellects that can be protected under each category. The types of IPR included Patent, Copyright, Trademark, Industrial Design, Trade Secret, Semiconductors, Plant Variety, and Geographical Indications. All the types were explained with case studies. He elaborated on the patent filing process, and the key regulations along with the forms to be filed and the fee for filing a patent. Attendees were also introduced to case studies highlighting successful IPR strategies in engineering and technology.

Photos of event:





Rajapalayam, Tamil Nadu, India
FGM7+7G4, Vadakku Venganallur, Rajapalayam, Tamil Nadu 626125, India
Lat 9.482725°
Long 77.514027°
19/10/24 03:08 PM GMT +05:30



Poster of the Event:



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DEPARTMENT OF MECHANICAL ENGINEERING

**SEMINAR
ON**

BASICS OF IPR & ITS IMPORTANCE FOR INNOVATORS AND ENTREPRENEURS



TARGET 9+B



SUPPORT DOMESTIC
TECHNOLOGY
DEVELOPMENT AND
INDUSTRIAL
DIVERSIFICATION



RESOURCE PERSON

ARUN KUMAR R
AP(SG)MECH, RIT
PATENT AGENT (IN/PA-4439)
ENTREPRENEURSHIP MASTER
TRAINER



19.10.2024



3:00PM to 5:00PM



B3L02, III Year CSBS Hall



PROGRAM 6:

Title: Three-Day Idea Pitching Event for MSME Idea Hackathon 2025

Date: 22.10.2024 to 24.10.2024

Students & Faculty members participated: 76

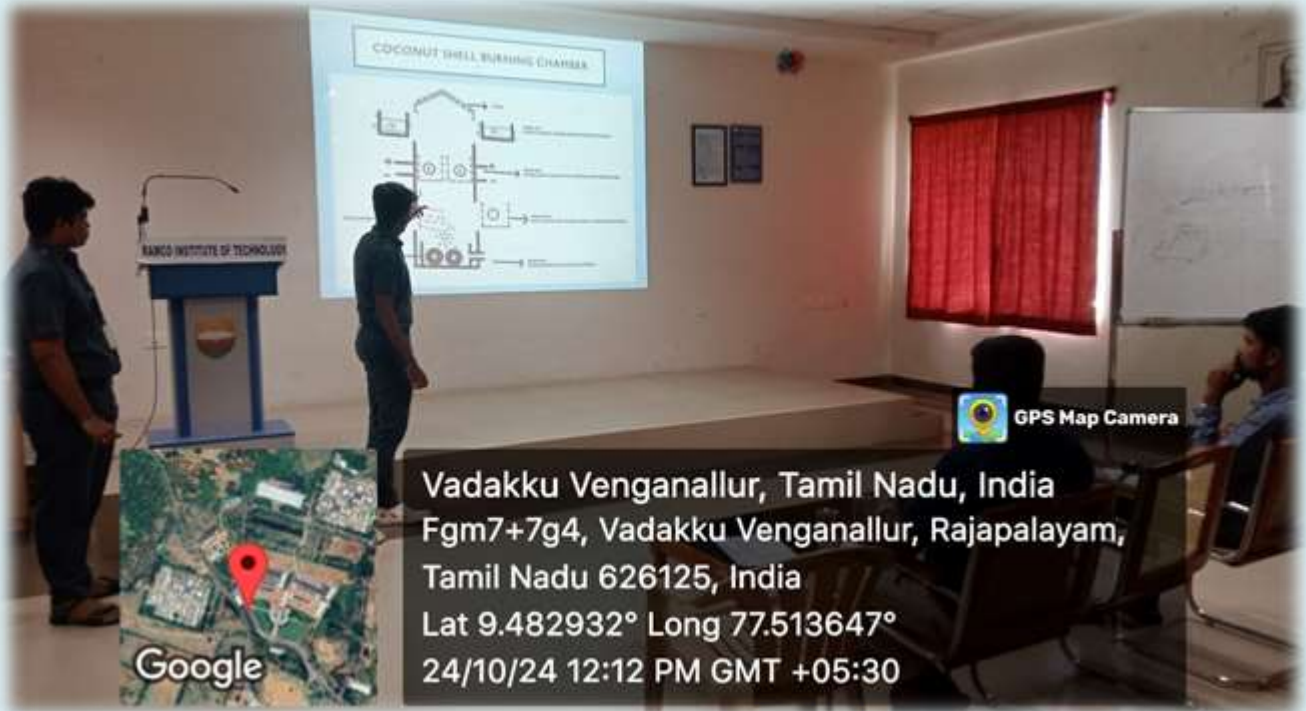
Expert Members: Mr.A.Kesavan, CEO, Quantanics Tech Serve Private Limited, Madurai
Mr.J.Manohar, Founder & Consultant, Mano Innovation Club, Kovilpatti
Mr.T.K.Vishnu Kumar, Founder, Elite Bharath Axis, Madurai
Mr.R.Ramachandran, Master Trainer, EDII, Government of Tamil Nadu

Brief description of the programme:

Ramco Institute of Technology hosted the MSME Idea Hackathon 4.0 from 22nd to 24th October 2024, providing a vibrant platform for idea pitching under the MSME Champion Scheme. The event attracted enthusiastic participation from students, faculty members, and entrepreneurs, who presented over 75 ideas addressing key themes like Sustainable Development, Frontier Technologies, and Indigenization. The hackathon aimed to nurture innovation, support potential start-ups, and contribute to the vision of a self-reliant India through idea validation and expert mentoring

Photos of event:





GPS Map Camera



Google

Vadaku Venganallur, Tamil Nadu, India
Fgm7+7g4, Vadaku Venganallur, Rajapalayam,
Tamil Nadu 626125, India
Lat 9.482932° Long 77.513647°
24/10/24 12:12 PM GMT +05:30



GPS Map Camera



Google

Rajapalayam, Tamil Nadu, India
Ramco Institute Of Technology Rd, Rajapalayam,
Vadaku Venganallur, Tamil Nadu 626125, India
Lat 9.480411° Long 77.5159°
24/10/24 11:31 AM GMT +05:30

PROGRAM 7:

Title: Crack the Hack MSME 4.0

Date: 26.10.2024

Students participated: 61

Mode: Offline

Resource Person: Mr.T.Chockalingam, AP(SG)/Civil & Coordinator, MSME Champion Scheme

Brief description of the programme:

The event titled “Crack the Hack MSME 4.0” was organized with the objective of guiding participants on how to successfully prepare and submit proposals for MSME-related innovation and entrepreneurship initiatives. The session was led by Mr. T. Chockalingam, who served as the resource person and shared his expertise on proposal development and evaluation criteria.

During the session, Mr. Chockalingam provided a clear and structured explanation of how a Detailed Project Proposal (DPR) should be prepared to increase the chances of getting shortlisted. He highlighted the importance of presenting a well-defined problem statement, innovative solution approach, and the practical relevance of the proposed idea to the MSME sector. He also emphasized aligning the proposal with current industry needs and government priorities. The interactive nature of the session allowed participants to clarify their doubts regarding documentation, evaluation parameters, and submission procedures. Overall, the event was highly informative and helped participants gain a better understanding of how to craft a competitive proposal for MSME 4.0 initiatives.

Photos of event:





Rajapalayam, Tamil Nadu, India
Main Building, Vadakku Venganallur,
Rajapalayam, Tamil Nadu 626125, India
Lat 9.482643° Long 77.514058°
26/10/24 11:08 AM GMT +05:30



Rajapalayam, Tamil Nadu, India
Fgm7+7g4, Vadakku Venganallur, Rajapalayam,
Tamil Nadu 626125, India
Lat 9.482644° Long 77.514063°
26/10/24 11:09 AM GMT +05:30

PROGRAM 8:

Title: Half Day Workshop on “**Protect Your Innovations: A Comprehensive Guide to IPR**”

Date: 09.12.2024

Students participated: 40

Resource Person: Mr.R.Arun Kumar, AP(SG)/Mech, RIT, Rajapalayam
Dr.G.Prabu ram, AP(SG)/Mech, RIT, Rajapalayam

Brief description of the programme:

Session 1:

The session on "IPR - An Overview & Practice at RIT" was handled by Mr. R. Arun Kumar, Assistant Professor (SG) in Mechanical Engineering and a certified Patent Agent (IN/PA-4439). The event aimed to provide insights into Intellectual Property Rights (IPR) and their practical applications in academic and professional settings. The session was also about the IP filing practices that is been followed at Ramco Institute of Technology.

During the session, Mr. Arun Kumar discussed the fundamental aspects of IPR, including its significance in protecting innovations and fostering a culture of creativity. He discussed about different types of IP rights and the suitable intellects that can be protected under each category. The types of IPR included Patent, Copyright, Trademark, Industrial Design, Trade Secret, Semiconductors, Plant Variety, and Geographical Indications. All the types were explained with case studies. He elaborated on the patent filing process, and the key regulations along with the forms to be filed and the fee for filing a patent. Attendees were also introduced to case studies highlighting successful IPR strategies in engineering and technology.

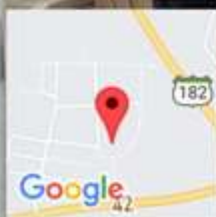
Session 2:

The session on "Patent Search and Drafting," led by Dr. G. Prabu Ram, Assistant Professor (SG) in Mechanical Engineering and MIC Innovation Ambassador provided an in-depth understanding of the patenting process with a focus on search techniques and drafting skills. Dr. Prabu Ram guided the participants through the essentials of conducting a comprehensive patent search, emphasizing the use of various databases and tools to identify prior art. He also shared insights into drafting effective patent applications, detailing the structure and language critical for ensuring clarity and enforceability.

The interactive session included real-world examples and exercises, enabling participants to practice the concepts discussed. Resource person gave a live demonstration on patent search on Google Patent Search site as well as an exposure to other free patent search databases.

Overall, the attendees left with enhanced knowledge of patent-related best practices, equipping them to contribute to innovation-driven initiatives effectively.

Photos of event:



Virudhunagar, Tamil Nadu, India

12, Srivilliputhur - Sivakasi - Virudhunagar - Aruppukottai - Tiruchuli - Narikudi - Parthibanoor Rd,
Virudhunagar, Tamil Nadu 626001, India

Lat 9.584114°

Long 77.929808°

09/12/24 11:52 AM GMT +05:30



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RIT RESEARCH COUNCIL
RIT INSTITUTION'S INNOVATION COUNCIL

ORGANIZES
HALF DAY WORKSHOP ON

PROTECT YOUR INNOVATIONS: A COMPREHENSIVE GUIDE TO IPR

SESSION I
IPR - AN OVERVIEW & PRACTICE AT RIT



MR. R. ARUN KUMAR
AP(SG)/MECH
RIT
PATENT AGENT (IN/PA-4439)

SESSION II
PATENT SEARCH & DRAFTING



DR. G. PRABU RAM
AP(SG)/MECH
RIT
MIC INNOVATION AMBASSADOR

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



TARGET 9·8



SUPPORT DOMESTIC TECHNOLOGY DEVELOPMENT AND INDUSTRIAL DIVERSIFICATION



09 Decemeber 2024



Mechanical Seminar Hall



9:15AM to 12:45PM

PROGRAM 9:

Title: Session on Achieving Problem-Solution Fit & Product-Market Fit

Date: 04.02.2025

Students participated: 40

Session Mode: Online

Brief description of the programme:

The Institution's Innovation Council (IIC) of **Ramco Institute of Technology**, Rajapalayam, conducted an insightful and knowledge-enriching **session on “Achieving Problem-Solution Fit & Product-Market Fit”**. The session began with an introduction to the concept of **Problem-Solution Fit (PSF)** — the initial and crucial phase in the innovation journey. Participants learned how identifying a real problem is far more critical than merely developing a product. The speaker emphasized the need for **customer empathy, field observation, and root-cause analysis** to ensure that innovators focus on problems that truly matter to users or society. Through engaging discussions and practical examples, the resource person illustrated how a well-defined problem leads to a more effective and sustainable solution. Participants were introduced to proven frameworks such as the **Lean Start-up Methodology, Design Thinking, and Value Proposition Canvas**, which help innovators test and validate assumptions during the early stages of product development.

The next segment of the session focused on the **Product-Market Fit (PMF)** — a key milestone that determines whether a developed product satisfies market needs and has the potential to sustain growth. The speaker discussed strategies for understanding customer behavior, identifying the target market segment, and refining the product based on real-world feedback. The importance of **Minimum Viable Product (MVP)** testing, iterative prototyping, and continuous learning through user engagement was also emphasized. Participants gained insight into the **transition from idea to market**, understanding that innovation is not only about technological novelty but also about delivering measurable value to end users. The resource person highlighted several case studies of start-ups that achieved success by precisely aligning their product vision with market demands, as well as examples where poor market understanding led to failure — reinforcing the importance of validation and adaptability.

The session was organized as part of the IIC's continuous efforts to nurture innovation-driven thinking and entrepreneurial capability among students and faculty. The primary objective of this session was to guide participants in understanding how to validate innovative ideas, identify genuine user problems, and align proposed solutions with customer and market expectations. The event served as a vital learning experience for aspiring innovators and start-up enthusiasts who are on the path from idea conception to successful commercialization.

Photos of event:



PROGRAM 10:

Title: Investor Awareness Programme

Date: 24.02.2025

Students participated: 56

Resource Person: Expert from Udhyam

Brief description of the programme:

An Investor Awareness Meeting was conducted with the objective of enhancing financial literacy and investment awareness among participants. The session featured an expert resource person from Udhyam, who delivered an insightful talk on the fundamentals of financial literacy and responsible financial decision-making.

During the session, the expert explained the importance of understanding basic financial concepts such as budgeting, saving, investing, and risk management. Participants were introduced to different investment avenues and the need to evaluate financial products carefully before making decisions. The speaker also emphasized the significance of long-term financial planning and informed investing rather than speculative practices.

The resource person highlighted common financial mistakes, methods to avoid fraud, and the value of maintaining financial discipline. Real-life examples were shared to make the concepts more relatable and practical for the audience.

The session was interactive, with participants engaging in discussions and clarifying their doubts regarding investment choices and personal financial planning. Overall, the meeting was highly informative and succeeded in creating awareness about the importance of financial literacy for making sound investment decisions.

Photos of event:



Theme:

FINANCIAL LITERACY

INVESTOR AWARENESS PROGRAMME

**RAMCO INSTITUTE OF TECHNOLOGY,
TAMIL NADU**

**24th February 2025, 12:00 PM
(1 hour Session)**



**UDYAM
EXPERT**

FINANCIAL LITERACY AWARENESS PROGRAMME (FINANCIAL PLANNING WITH SAVING TECHNIQUES)

TOPICS COVERED

- Awareness about Financial Frauds
- Practical knowledge on Financial Planning
- Dos & Donts for Investors
- Precautions for Cyber financial frauds
- Retirement safe financial methods
- Tax related Investment Strategies

**FINANCIAL
PLANNING**

**UNDERSTANDING
FINANCE TERMS**

**PRECAUTIONS
FOR
INVESTMENTS**

**TECHNICAL
KNOWLEDGE**

**FOR ANY ASSISTANCE CALL US AT: +91 86308 40296
MINIMUM NUMBER OF PARTICIPANTS: 80+**

PROGRAM 11:

Title: Half-day Workshop on Problem Solving and Ideation: A process from Thoughts to Innovation

Date: 04.03.2025

Students participated: 33

Resource Person: Mr.R.Arun Kumar, Certified Patent Agent (IN/PA-4439), Assistant Professor (Sr.Gr.), Department of Mechanical Engineering, Ramco Institute of Technology

Brief description of the programme:

A Half Day Workshop on Idea Generation: A Process from Thoughts to Innovation was conducted to equip participants with structured methodologies for transforming initial thoughts into innovative solutions. The session aimed to foster creativity, critical thinking, and problem-solving skills essential for innovation.

Participants were introduced to various idea-generation techniques during the workshop, including brainstorming, mind mapping, SCAMPER, and design thinking approaches. Interactive exercises and case studies helped them apply these methods in real-time, enabling a hands-on learning experience. The session also emphasized the importance of identifying problems, exploring diverse perspectives, and refining raw ideas into actionable concepts.

By the end of the workshop, attendees gained practical insights into structured idea development, enhancing their ability to think innovatively and contribute effectively to problem-solving in their respective domains. The session successfully inspired participants to embrace an innovation-driven mindset.

Photos of event:





GPS Map Camera



Google

Rajapalayam, Tamil Nadu, India
 Fgm7+7g4, Vadakku Venganallur, Rajapalayam,
 Tamil Nadu 626125, India
 Lat 9.482857° Long 77.514047°
 04/03/2025 12:56 PM GMT +05:30

Poster of the Event:



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 DEPARTMENT OF MECHANICAL ENGINEERING



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



HALF DAY WORKSHOP ON

PROBLEM SOLVING & IDEATION

A process from Thoughts to Innovation



RESOURCE PERSON

ARUN KUMAR R
 AP(SG)MECH, RIT
 PATENT AGENT (IN/PA-4439)
 ENTREPRENEURSHIP MASTER
 TRAINER

TARGET 9-B



SUPPORT DOMESTIC TECHNOLOGY DEVELOPMENT AND INDUSTRIAL DIVERSIFICATION



04.03.2025



12:20 PM to 3:45 PM



C3L04, III Year Hall



PROGRAM 12:

Title: Seminar on “From Ideas to Action: Building a Product”

Date: 10.03.2025

Students participated: 48

Resource Person: Mr.R.Arun Kumar, Certified Patent Agent (IN/PA-4439), AP(SG) / Mech

Brief description of the programme:

Objective of the Programme:

The seminar titled " **From Ideas to Action: Building a Product**" was conducted to provide insights into the resources and strategies available for fostering entrepreneurial ventures within the academic community. The session was led by Mr.R.Arun Kumar, Assistant Professor (SG) in the Mechanical Engineering Department, RIT, a renowned academic and innovation ambassador. The seminar aimed to:

- Educate participants about the acceleration programs and business support services available
- Highlight the significance of entrepreneurial thinking among students and faculty.
- Guide attendees in navigating the transition from innovative ideas to sustainable businesses.

Photos of event:



Poster of the Event:

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DEPARTMENT OF INFORMATION TECHNOLOGY

Awareness Session on

FROM IDEAS TO ACTION: BUILDING A PRODUCT



Resource Person
Mr.R.Arun Kumar
Assistant Professor (S.G)
Ramco Institute of Technology

Date
10 March
2025

Time
3.30 PM to
4.30 PM

Venue
EEE Seminar Hall

Faculty Co-ordinator Mr.M V.Balaganesh, AP/IT	Convenor Dr.V.Anusuya, HOD/IT	Patron Dr.S.Rajakarunakaran Vice Principal	Chief Patron Dr.L.Ganesan Principal
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PROGRAM 13:

Title: A Seminar on Government Support Systems to Early Stage Entrepreneurs

Date: 11.03.2025

No. of participants: 42

Resource Person: Dr.G.Prabu ram, ASP-I / Mech, RIT, MIC Innovation Ambassador & In-charge, Mechanical Department, RIT ED Cell

Brief description of the programme:

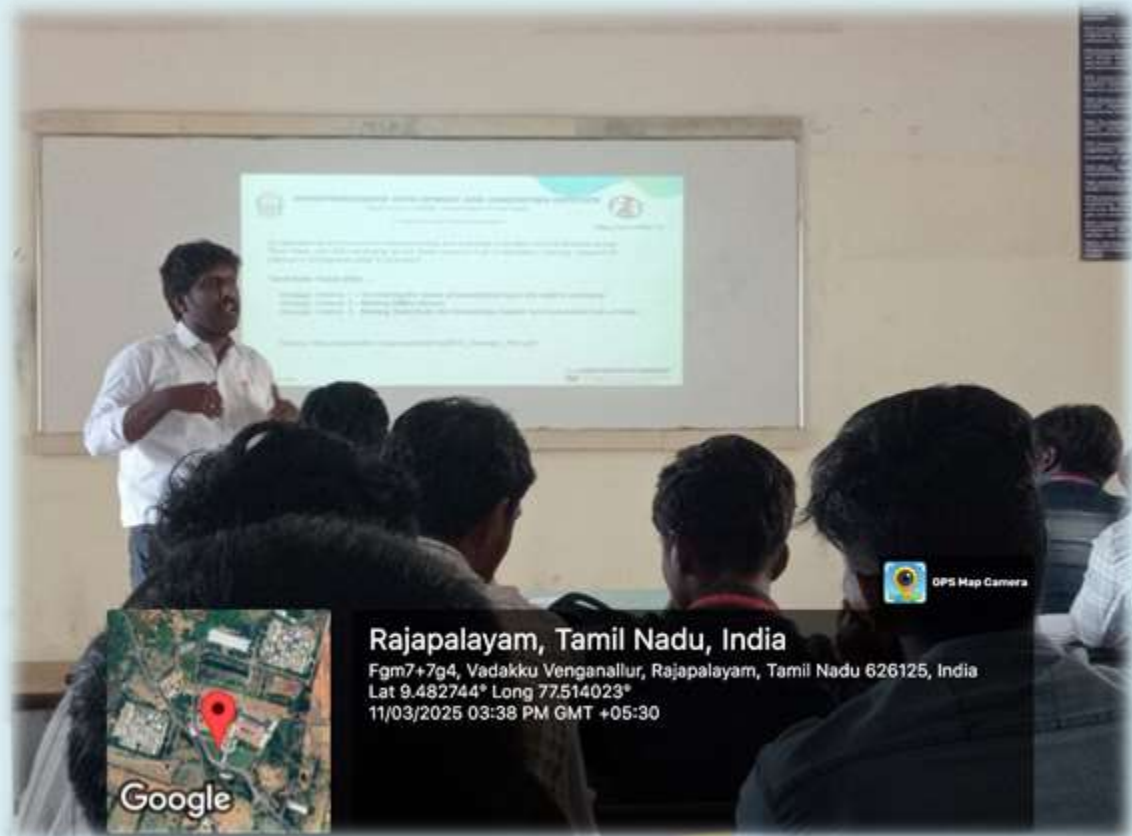
A Seminar on Government Support Systems to Early Stage Entrepreneurs was conducted to educate participants on various government initiatives, funding schemes, and support mechanisms available for start-ups and aspiring entrepreneurs. The session aimed to create awareness about policies designed to foster innovation and business growth.

During the seminar, key topics covered included start-up funding programs, incubation and acceleration support, tax benefits, and regulatory frameworks. Participants were introduced to initiatives such as Start-up India, MSME schemes, and grants for technology-based enterprises and the support given by EDII, Govt. of Tamil Nadu. The session also highlighted the role of government-backed incubators, mentorship programs, and financial assistance options.

By the end of the seminar, attendees gained valuable insights into leveraging these support systems to establish and scale their ventures. The session successfully empowered early-stage entrepreneurs with the knowledge needed to navigate the entrepreneurial ecosystem effectively.

Photos of event:





Rajapalayam, Tamil Nadu, India

Fgm7+7g4, Vadakku Venganallur, Rajapalayam, Tamil Nadu 626125, India
 Lat 9.482744° Long 77.514023°
 11/03/2025 03:38 PM GMT +05:30

Poster of the Event:



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DEPARTMENT OF MECHANICAL ENGINEERING

**A SEMINAR
ON**

GOVERNMENT SUPPORT SYSTEMS TO EARLY STAGE ENTREPRENEURS



RESOURCE PERSON

DR.G.PRABU RAM
 ASP-I/MECH, RIT
 INNOVATION AMBASSADOR, MIC
 IN-CHARGE, MECH DEPT., RIT ED CELL



11.03.2025



2:15 PM TO 4:15 PM



C3L04, III Year Hall





TARGET 8-3



PROMOTE POLICIES TO SUPPORT JOB CREATION AND GROWING ENTERPRISES

TARGET 8-10





UNIVERSAL ACCESS TO BANKING, INSURANCE AND FINANCIAL SERVICES

PROGRAM 14:

Title: Seminar on Developing an Innovation Culture

Date: 11.03.2025

No. of participants: 42

Resource Person: Mr.R.Arun Kumar, AP(SG)/Mech, RIT, Convener, RIT-IIC

Brief description of the programme:

The seminar consisted of several key presentations, interactive workshops, and case studies that addressed the following:

- Understanding Innovation: The importance of innovation for organizational growth and competitive advantage.
- Building an Innovation Mind-set: Practical tips for individuals and teams to develop a mind-set that embraces change and creative thinking.
- Creating a Collaborative Environment: How to foster open communication, cross-functional collaboration, and a sense of shared purpose to spark new ideas.
- Innovation Leadership: The role of leadership in setting the tone for an innovation-driven culture, including leading by example and motivating teams.
- Measuring Innovation Success: Key performance indicators (KPIs) and tools to assess the effectiveness of innovation initiatives and their impact on business outcomes.

By the end of the seminar, participants were able to:

- Gain a deeper understanding of the principles behind an innovation-driven culture.
- Learn strategies to overcome barriers to innovation, including risk and lack of resources.
- Understand the importance of leadership in creating an environment that supports innovation.

Photos of event:





Rajapalayam, Tamil Nadu, India

Fgm7+7g4, Vadakku Venganallur, Rajapalayam, Tamil Nadu 626125, India
 Lat 9.482799° Long 77.514016°
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 DEPARTMENT OF MECHANICAL ENGINEERING



TARGET 9-B



SUPPORT DOMESTIC
 TECHNOLOGY
 DEVELOPMENT AND
 INDUSTRIAL
 DIVERSIFICATION

**SEMINAR
 ON**

DEVELOPING AN INNOVATION CULTURE
 Driving Change Through Innovation



RESOURCE PERSON

ARUN KUMAR R
 AP(SG)MECH, RIT
 PATENT AGENT (IN/PA-4439)
 ENTREPRENEURSHIP MASTER
 TRAINER



11.03.2025



12:20 PM to 2:20 PM





C3L04, III Year Hall

PROGRAM 15:

Title: Workshop on Copyright Registration: A comprehensive guide for creators

Date: 20.03.2025

No. of participants: 45

Resource Person: Mr.R.Arun Kumar, Certified Patent Agent (IN/PA-4439), AP(SG) / Mech

Brief description of the programme:

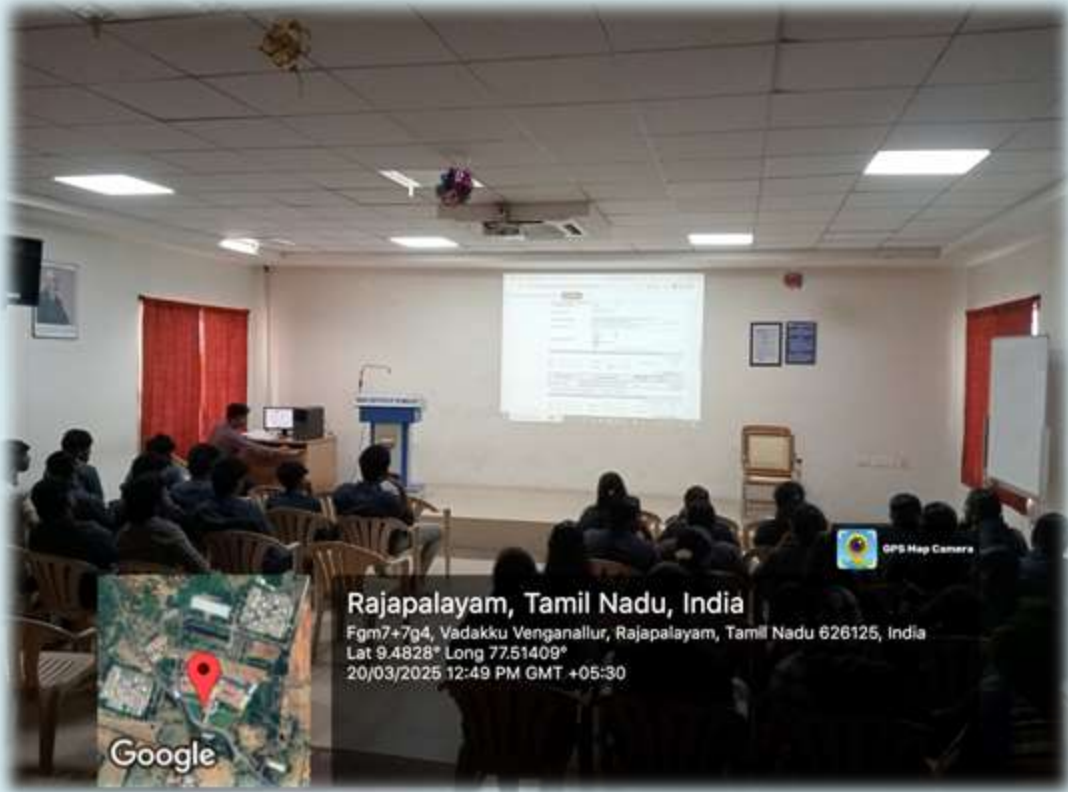
The workshop was conducted by **Mr. R. Arun Kumar**, an experienced **Patent Agent and faculty member in the Mechanical Engineering Department**, who shared his insights on intellectual property rights and the practical aspects of copyright registration.

The key topics covered in the session included:

1. **Introduction to Copyright Law**
2. **Importance of Copyright Registration**
3. **Step-by-Step Copyright Registration Process**
4. **Rights and Responsibilities of Copyright Holders**
5. **Case Studies and Practical Demonstration**

Photos of event:





Rajapalayam, Tamil Nadu, India
 Fgm7+7g4, Vadakku Venganallur, Rajapalayam, Tamil Nadu 626125, India
 Lat 9.4828° Long 77.51409°
 20/03/2025 12:49 PM GMT +05:30

Poster of the Event:



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 INSTITUTION'S INNOVATION COUNCIL



TARGET 9·B



SUPPORT DOMESTIC TECHNOLOGY DEVELOPMENT AND INDUSTRIAL DIVERSIFICATION

WORKSHOP ON

COPYRIGHT REGISTRATION: A COMPREHENSIVE GUIDE FOR CREATORS



RESOURCE PERSON

ARUN KUMAR R
AP(SG)MECH, RIT
PATENT AGENT (IN/PA-4439)
ENTREPRENEURSHIP MASTER TRAINER



20.03.2025



12:00PM to 2:00PM



B3L06, MECHANICAL SEMINAR HALL



PROGRAM 16:

Title: Session on Accelerators/Incubation – Opportunities for Students & Faculties – Early-Stage Entrepreneurs

Date: 12.08.2025

No. of participants: 45

Session mode: Online mode

Brief description of the programme:

The Institution's Innovation Council (IIC) of **Ramco Institute of Technology**, Rajapalayam, organized an **online recorded session** on “**Accelerators/Incubation – Opportunities for Students & Faculties – Early-Stage Entrepreneurs**”. The session utilized the resource content available on the **MHRD Innovation Cell (MIC) YouTube Channel**, which features talks by eminent innovation leaders and start-up mentors from across India. This initiative aimed to **familiarize students and faculty members with the concept of business incubators and accelerators**, and to highlight the diverse support mechanisms available for transforming innovative ideas into viable start-ups. The program was part of the council's ongoing efforts to create awareness about India's growing innovation and start-up ecosystem and to encourage participation in institutional and national incubation programs.

The session provided a **comprehensive understanding of incubation and accelerator programs** — two key enablers in the entrepreneurial ecosystem. It elaborated on how incubators nurture early-stage innovators by providing **workspace, mentorship, funding access, technical support, and networking opportunities**, while accelerators help start-ups **scale up rapidly** by offering **structured growth-oriented programs**.

The resource experts featured in the video emphasized the **importance of institutional incubation centres** in fostering an innovation culture within higher education institutions. They discussed the **role of IICs, ATAL Incubation Centres (AICs) and Technology Business Incubators (TBIs)** in guiding student innovators and faculty researchers from idea validation to prototype development and commercialization.

Participants were introduced to several **successful case studies** of student-led start-ups that began their journey within incubators and went on to become established enterprises. The session highlighted how **early-stage entrepreneurs can benefit from incubation support**, including seed funding, market access, business model mentoring, intellectual property (IP) guidance, and investor connections.

Photos of event:



PROGRAM 17:

Title: Two-Day Idea Pitching Event for MSME Idea Hackathon 2025

Date: 12.08.2025 and 13.08.2025

No. of participants: 152

Details of the expert member:

- ✓ Mr.R.Praveen Kumar, COO, Quantanics Tech Serve Private Limited
- ✓ Mr.J.Manohar, Founder & Consultant, Mano Innovation Club, Kovilpatti
- ✓ Mr.Sam Antony, Senior Principal Software Engineer, Sagent MNC India, Chennai
- ✓ Dr.T.Sakthi, Convener, NEC – IIC, KR Innovation Centre, Kovilpatti
- ✓ Dr.B.Venkatesh, Assistant Professor, Department of Civil Engineering, ACGCET, Karaikudi
- ✓ Mr.P.Krishna Kumar, Business Manager, Talent Curator Solutions, Chennai
- ✓ Mr.Nowsath Sheriff, Founder & CEO, EdtoDo Private Limited, Tirunelveli
- ✓ Mr.M.Ashok Kumar, AP Gr-III / Mech, RIT, Rajapalayam
- ✓ Mr.L.Karthikeyan, AP Sr. Gr / Mech, RIT, Rajapalayam
- ✓ Dr.T.Chockalingam, ASP-I / Civil, RIT, Rajapalayam
- ✓ Dr.R.Arun Kumar, AP Gr-III / Mech, RIT, Rajapalayam

Brief description of the programme:

Objective of the Programme:

To provide a platform for students, faculty members, and entrepreneurs to present and refine innovative ideas.

Outcome of the Programme:

- 147 innovative ideas were pitched across diverse themes including Sustainable Development, Frontier Technologies, Healthcare, Cyber Security and Green Technologies.
- Participants gained valuable feedback from experts, enhancing their ability to convert concepts into viable projects.
- Strengthened collaboration between academia, industry, and entrepreneurship ecosystems.

Ramco Institute of Technology hosted the MSME Idea Hackathon 5.0 on 12th and 13th of August 2025, providing a vibrant platform for idea pitching under the MSME Champion Scheme. The event attracted enthusiastic participation from students, faculty members, and entrepreneurs, who all together presented 147 ideas addressing key themes including Sustainable Development, Frontier Technologies, Healthcare, Cyber Security and Green Technologies. The hackathon aimed to nurture innovation, support potential start-ups, and contribute to the vision of a self-reliant India through idea validation and expert mentoring.

Photos of event:





Rajapalayam, Tamil Nadu, India
Fgm7+7g4, Vadakku Venganallur, Rajapalayam, Tamil Nadu
626117, India
Lat 9.482915° Long 77.513783°
13/08/2025 01:20 PM GMT +05:30



Rajapalayam, Tamil Nadu, India
Fgm7+7g4, Vadakku Venganallur, Rajapalayam, Tamil Nadu
626117, India
Lat 9.482834° Long 77.513888°
13/08/2025 02:11 PM GMT +05:30



PROGRAM 18:

Title: Lean Startup & Minimum Viable Product/ Business

Date: 23.08.2025

No. of participants: 63

Resource Person: Dr. E. Thangam, AP (Gr - III) / EEE

Brief description of the programme:

This program is designed as an interactive entrepreneurship training that combines theory, hands-on activities, and mentorship. Participants will work individually or in teams to identify a business opportunity, create a Minimum Viable Product, and test its market viability.

Key activities include:

1. **Introduction to Startups & Lean Methodology** – Understanding startup lifecycle, business models, and customer-centric design.
2. **Ideation & Problem-Solution Fit** – Identifying market needs, validating problems, and brainstorming solutions.
3. **MVP Development Workshop** – Designing and building a basic version of the product/service using low-cost tools and rapid prototyping.
4. **Customer Validation & Feedback Loop** – Engaging early users, gathering feedback, and iterating on the MVP.
5. **Business Model & Go-to-Market Strategy** – Developing a business plan, revenue strategy, and marketing plan.
6. **Pitching & Demo Day** – Presenting MVPs to mentors, peers, and potential investors for feedback and support.

Photos of event:



PROGRAM 19:

Title: Session on Angel Investment/VC Funding Opportunity for Early Stage Entrepreneur

Date: 23.08.2025

No. of participants: 123

Resource Person: Ms.S.Harini Shriram AP/ECE & Mr.B.Kannan AP(SG)/ECE

Brief description of the programme:

The activity was an "Experts Talk" titled "Session on Angel Investment/VC Funding Opportunity for Early Stage Entrepreneur." The event was organized by the Department of Electronics and Communication Engineering and RIT – Institution's Innovation Council. It took place on August 23, 2023, at the ECE Seminar Hall, beginning at 9:00 AM. The session aimed to provide attendees with crucial insights and knowledge about how to secure early-stage funding. This helped aspiring entrepreneurs understand the landscape of angel investment and venture capital to launch and scale their ventures.

Photos of event:



Poster of event:



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Department of Electronics and Communication Engineering
RIT – Institution's Innovation Council
organizing

Experts Talk on
“Session on Angel Investment/VC Funding Opportunity for Early Stage Entrepreneur



**August 23
2023
09.00 AM**

Venue: ECE Seminar Hall

PROGRAM 20:

Title: “Introduction to IPR, EDC and IIC”

Date: 23.08.2025

No. of participants: 40

Resource Person: Dr.G.Prabu ram, ASP-I/Mech, RIT

Brief description of the programme:

The objective of the "Introduction to IPR, EDC and IIC" activity is to acquaint students about the intellectual property, entrepreneurship, and innovation ecosystem. In order to protect creativity and innovation, the session highlights the several forms of Intellectual Property Rights (IPR), including patents, copyrights, trademarks, industrial designs, and geographical indications. While highlighting the support offered by MSME funding schemes like the MSME Innovation Scheme, Incubation Support, Design and IPR schemes, and financial assistance for technology development and commercialization, it also highlights the role of the Entrepreneurship Development Cell (EDC) in fostering entrepreneurial skills and assisting students with start-up ventures. In accordance with national innovation and start-up policies, the program also provides insight into the Institution's Innovation Council (IIC) and its focus areas, which include innovation promotion, start-up incubation, societal impact, and capacity building. Participants are inspired to turn their innovative ideas into significant solutions for industry and society at the end of the session, having gained knowledge about funding options, institutional systems, and the value of preserving discoveries.

Photos of event:



PROGRAM 21:

Title: My Story - Motivational Session by Successful Innovators

Date: 23.08.2025

No. of participants: 124

Resource Person: Ms.S.Harini Shriram AP/ECE & Mr.B.Kannan AP(SG)/ECE

Brief description of the programme:

The “My Story” motivational session was organized as part of the Institution’s Innovation Council (IIC) initiatives to inspire and empower students with real-life entrepreneurial journeys. The session featured a successful entrepreneur and innovator who shared valuable insights from their personal and professional experiences in the startup ecosystem. Throughout the session, the speaker highlighted key themes such as perseverance, the value of networking, learning from failures, adapting to change, and starting small but thinking big. The talk was both engaging and relatable, offering practical advice and motivation for students interested in entrepreneurship and innovation. Overall, the session served as a powerful platform for students to connect with a real-world innovator, gain inspiration, and better understand the mindset and skills required for entrepreneurial success.

Photos of event:



Poster of event:



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Department of Electronics and Communication Engineering

RIT - Institution's Innovation Council

organizing

Experts Talk on

**“My Story - Motivational Session by
Successful Innovators**



**August 23
2025
09.00 AM**



Venue: ECE Seminar Hall

PROGRAM 22:

Title: Business Idea and Business Model Canvas (by EDII)

Date: 26.08.2025

No. of participants: 61

Resource Person: Mr. T. Chockalingam, AP(SG)/Civil, RIT & CII-IGBC Accredited Professional

Brief description of the programme:

This EDII program activity focuses on developing and validating a business idea using the Business Model Canvas (BMC), a widely used strategic management tool. Participants move from an initial concept to a structured, one-page business model that outlines how their venture will create, deliver, and capture value.

The resource person deliver Key stages of the activity as follows:

1. Business idea generation and refinement

- The program guides participants through brainstorming and refining their business ideas to ensure they are viable and relevant. This process involves:
- Identifying market gaps: Participants research emerging trends, consumer preferences, and existing products to find opportunities in the market.
- Leveraging personal skills and passions: Aspiring entrepreneurs are encouraged to reflect on their own abilities and interests to find a unique foundation for their business.
- Competitive analysis: A crucial step where participants analyze what their potential competitors are doing to find opportunities for differentiation.

2. Introduction to the Business Model Canvas (BMC)

Participants are introduced to the BMC, a visual tool developed by Alexander Osterwalder and Yves Pigneur that is particularly useful for startups.

3. Filling out the canvas

- In a collaborative, workshop-style setting, participants fill out the nine sections of the BMC, typically using sticky notes on a large whiteboard. This allows for easy adjustments and brainstorming. The canvas is generally filled out in a logical order:
- Customer-centric sections (right side): Participants start by identifying their target customer segments and defining the unique value proposition they will offer. This is followed by outlining the communication and distribution channels and the type of relationship they will build with customers.
- Infrastructure sections (left side): After defining the customer-facing elements, participants identify the internal operations needed to deliver the value proposition. This includes listing key activities, key resources, and key partners.
- Financial viability (bottom section): Finally, participants project the financial aspects by mapping out their cost structure and identifying potential revenue streams.

Photos of event:



PROGRAM 23:

Title: From Ideas to Impact: Prototype and Process Design for Innovation

Date: 26.08.2025

No. of participants: 63

Resource Person: Mrs.B.Yazhini, AP/CSBS

Brief description of the programme:

The Prototype / Process Design & Development activity was organized to encourage students and faculty to transform innovative ideas into tangible solutions. The program introduced participants to design thinking principles, ideation techniques, and rapid prototyping tools such as CAD modeling, 3D printing, and simulation software. Students worked in teams to identify real-world problems, brainstorm creative solutions, and develop functional prototypes or optimized processes.

Emphasis was placed on user-centric design, cost-effectiveness, sustainability, and scalability of the developed prototypes. Participants also showcased their models through presentations and demonstrations, receiving constructive feedback for further improvement.

- This activity not only enhanced students' technical and creative skills but also nurtured an entrepreneurial mindset, preparing them to convert their prototypes into market-ready products or startup ventures in the future.

Photos of event:



Poster of event:



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Department of
**COMPUTER SCIENCE &
BUSINESS SYSTEMS**



RIT IIC & ED Cell

Guest lecture On

“Prototype / Process Design & Development”

PARTICIPANTS:

First Year CSBS

DATE:

26.08.2025

VENUE:

B0L03



RESOURCE PERSON

B. Yazhini, AP/CSBS

STUDENT COORDINATORS

A. Gokul, II Year CSBS
T. Jegathesh, II Year CSBS

CONVENOR

Dr. M. Gomathy Nayagam,
HOD/CSBS

PATRON

Dr. S. Rajakarunakaran, Vice
Principal

CHIEF PATRON

Dr. L. Ganesan,
Principal



ritcsbs



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PROGRAM 24:

Title: Workshop on Intellectual Property Rights (IPRs) and IP management for start up

Date: 26.08.2025

No. of participants: 63

Resource Person: Mr.R.Muthueeswaran, Assistant Professor / AI & AD, IIC Ambassador – AI & AD

Brief description of the programme:

The Department of Artificial Intelligence and Data Science organized a workshop on “*Intellectual Property Rights (IPRs) and IP Management for Start-up*” exclusively for the First Year ‘A’ Section students, with a total strength of 63 participants. The session began with an introduction to the concept of IPRs and their importance in the modern innovation ecosystem. The Department IIC Ambassador explained various categories of IPRs such as patents, copyrights, trademarks, and industrial designs, along with their relevance for protecting AI and Data Science-based solutions.

The workshop further highlighted the role of IP management in start-ups, focusing on how entrepreneurs can leverage IP portfolios for funding, partnerships, and market competitiveness. Real-world case studies and examples of start-ups benefiting from IPR were discussed to make the session more engaging and relatable.

The students actively participated in an interactive Q&A session, where their queries related to the filing process, costs involved, and institutional support were addressed. The event concluded with motivational insights encouraging the students to innovate and protect their creations through proper IP management.

Photos of event:



PROGRAM 25:

Title: Session on “How to plan for Start-up and legal & Ethical Steps”

Date: 26.08.2025

No. of participants: 63

Resource Person: Mr.R.Muthueeswaran, Assistant Professor / AI & AD, IIC Ambassador – AI & AD

Brief description of the programme:

The Department of Artificial Intelligence and Data Science organised a session on “How to plan for Start-up and Legal & Ethical Steps” for the First Year ‘B’ Section students, with a total strength of 63 participants. The session began with an introduction to the entrepreneurial mindset and the importance of structured planning for start-up success. The Department IIC Ambassador elaborated on key elements, including developing a business model, idea validation, funding avenues, and incubation opportunities.

A significant part of the session was dedicated to legal aspects, including statutory registrations, intellectual property considerations, and compliance with government policies. Ethical responsibilities such as transparency, social accountability, and fair practices were also highlighted as critical pillars for sustainable start-up growth.

The session concluded with an interactive Q&A round where students raised queries related to idea execution, funding support, and legal formalities. The resource person’s practical examples and insights inspired the participants to approach entrepreneurship with clarity, responsibility, and enthusiasm.

Photos of event:

