Ramco Institute of Technology

Training and Placement Centre

Contest (Bisection)

AY – 2023 – 2024

About the Institute

Our institution, Ramco Institute of Technology, was founded in 2013 and is backed by the Ramco Group. The Institute offers the following programs:

- B.E. Civil Engineering
- B.E. Computer Science and Engineering
- B.E. Electrical and Electronics Engineering
- B.E. Electronics and Communication Engineering
- B.E. Mechanical Engineering
- B.Tech Artificial Intelligence and Data Science Engineering
- B.Tech Computer Systems and Business Systems
- B.Tech Information Technology

The institute is affiliated to Anna University, Chennai, recognized by the AICTE, New Delhi, accredited by NAAC. Four programmes namely B.E (CSE), B.E (EEE), B.E(ECE) and B.E (Mech) are accredited by National Board of Accreditation (NBA), New Delhi.
The salient features of Ramco Institute of Technology (RIT) are

- It stands as one of the top 10 colleges in the Anna University Ranking.
- RIT has a lush green, vast campus.
- Dedicated and qualified staff, a highly conductive environment for the teaching and learning process, which is set to be the hall mark of this professional institution.
- Placement opportunities for students and maintaining inter connection with industry.

Apart from the regular courses, emphasis is given to research and development. Currently, every academic department has its own significant number of PhD holders, and a substantial amount of research work is carried out.

RIT is a true, broad-based educational institution that prepares students for life without losing their areas of specialization and competence. The Institute believes in inculcating the right attitude in the minds of young students and developing them as individuals who have the innate desire not just to succeed in their own lives but also to contribute meaningfully to societal development in all possible spheres.

About Training & Placement Centre

The Training and Placement Centre of our institution plays a pivotal role in counselling and guiding the students towards a successful career placement. In addition to campus placements, the Training and Placement Centre i)encourages students to take part in contest / hackathon ii) organizes professional development programs like mock interviews, group discussions, pre-

placement talks, interactive sessions with industrial experts, etc., iii) personality development programs covering communication skills, presentation skills, career planning, etc., on a regular basis to enable the students to acquire the necessary traits to become industry-ready engineers, iv) regularly conducting aptitude training through online platforms, v) arranging project internships and in plant training, and vi) periodically organizing HR Conclave to give the students knowledge about the recent technological trends and their applications, which prepares them to possess industrial knowledge and become industry-ready engineers..

About the Company

DeepSphere.AI is the most powerful AI platform for enterprise to discover invisible business insights at the deepest level. DeepSphere.AI is a cloud-ready, on-demand subscription platform for every enterprise to quickly adapt and advance AI through a progressive AI computing lab, advanced AI education, prebuilt industrial AI POC, and AI data engineering. DeepSphere.AI platform brings together business processes, AI, IIoT, and big data, built-on open source technologies and enterprise systems with interoperable capabilities on SAP, Oracle, and MS systems.

About Tech Pragna

By hosting hackathon,training and placement center,strengthens it’s tie with the industry. This collaboration leads to guest lectures, workshops, internships, and other educational opportunities.

To drive innovation in students is the idea behind in organizing Tech Pragna.

To encourage participants to think creatively and innovatively.

This leads to the development of new solutions, products, or prototypes that can have real-world applications and even lead to startups.

Students have tangible results to add to their portfolios, such as projects or solutions developed during the hackathon. This can significantly enhance their profiles when applying for jobs or internships.

Objective

The main objective of a hackathon is to bring the participants together with diverse skills, such as software development, design, and business acumen, to create functional prototypes or proofs of concept for new projects or solve specific challenges.

Identify people with the right skills and attitudes

Drive engagement by focusing on self-directed and dynamic learning to the students which is what is the company’s expectation.

Purpose

Training and Placement Center is organizing the hackathon to provide students with valuable skill development opportunities enhance employability, promote innovation, and strengthen connections with the industry. These events have become an integral part of RIT – TPC – Contest (bisection) to prepare students for successful careers.

Theme

Machine learning applications (MLOps) for the domains Health, Energy, Retail industry based problem statement. Dive into the world of artificial intelligence, data analysis, and predictive modeling. Showcase your skills, collaborate with fellow enthusiasts, and innovate solutions that leverage the power of machine learning. Get ready to tackle real-world challenges and make a meaningful impact in this thrilling competition.

Participants:

III Year – Civil, CSE, EEE, ECE, MECH and AI & DS

IV Year - Civil, CSE, EEE, ECE, MECH

Guidelines of the Competition

The competition is open to all III year undergraduate and IV year undergraduate branches. The competition will be conducted in three phases:

The First Phase will be Orientation.

The Second Phase will be the preliminary round which will be held virtually on September, 30th, 2023

The Third Phase will be conducted offline/online at RIT on October 14th, 2023

The First Phase: Orientation of the Hackathon from DeepSphere.AI team and release of the problem statement for preliminary round.

The Second Phase: The teams will have to submit the document in accordance to the guidelines provided by DeepSphere Team. The preliminary round will be conducted online on Github platform. Teams will be evaluated and shortlisted based on the Problem Solution and implementation.

NOTE: The document should be submitted as the guidelines provide by DeepSphere Team "Hackathon_Deliverable.pdf" format and "Hackathon_Document.pdf" format.

The Third Phase: The teams will be given 10 minutes to present their ideas, followed by a 05 minutes Q&A session. The final plan should consist of:

1. Introduction page which should include: Names of all the members, affiliation, Project Title, Abstract, Project Overview, Technology used.

2. Details as per DeepSphere guidelines. NOTE: The document shall not exceed 10 pages. (Additional 05 pages can be attached as supporting documents).

Important Dates:

Submission of applications (Registration) – 07.09.2023

Communication of acceptance of applications- 08.09.2023

Preliminary Round (Virtual)- 18.10.2023

Final round (Physical/Online)- 31.10.2023

For more details regarding the competition please refer to the brochure attached

Registration Participation is allowed only as a team and each team needs to have a minimum of 2 and a maximum of 5 members.

Perks

Awards E-Certificate of Participation to every team who has participated in the Hackathon.

Certificate of Merit to the top 10 teams who qualify to the final rounds.

Rewards for the I, II and III place:

1st place (team) –Rs. 5000 + Certificate of Merit

2nd place (team) –Rs. 3000 + Certificate of Merit

3rd place (team) –Rs. 2000 + Certificate of Merit

If you may have any queries feel free to reach out to the student conveners or event heads undersigned. We therefore cordially invite the student body to participate in our flagship event

Student Conveners:

- K.M.Architha III year CSE
- Vignesh Prabhu M III year CSE
- Jerita D III year AD
- Dhanush Balaji S III year EEE
- Akash kumar R III year Civil
- Shree Harish R III year ECE
- Harish Krishnan R III year Mech

Faculty Conveners:

- Mrs.B.Vijayalakshmi, AP(SG)/CSE
- Mr.K.Vignesh Saravanan, AP(SG)/CSE
- Mrs.S.Manjula, AP(SG)/CSE
- Mr.A.Guna, AP/EEE
- Ms.S.Harini Shriram, AP/ECE
- Mr.R.Prabhakaran, AP/Mech
- Mrs.Selva Brindha, AP/AD
- Mrs.G.Mareeswari, AP/IT
- Dr.Erana Veerappa Dinesh, AP/CSBS