

MCT
MANJARA CHARITABLE TRUST
RAJIV GANDHI INSTITUTE OF TECHNOLOGY, MUMBAI



Ministry of
Education
Government of India



MoE's
INNOVATION CELL
(GOVERNMENT OF INDIA)

Annual Report
IIC 6.0
(2023-2024)

[MCT's Rajiv Gandhi Institute of Technology]

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A. About IIC RGIT Institute

Manjara Charitable Trust's Rajiv Gandhi Institute of Technology, Mumbai is a leading technological institute in Mumbai-Maharashtra (Western India). The institute is playing a key role in providing & promoting the engineering education and research programmes to students of Maharashtra & India. Established in 1992, the institute has a prestigious standing amongst the top engineering colleges in Mumbai, the capital city of the Indian state of Maharashtra. The young and dynamic leadership of Shri Amit Vilasraoji Deshmukh, The Secretary, Manjara Charitable Trust- Latur and the management of RGIT is committed to take forward the pioneering legacy of the visionary founder late Shri Vilasraoji Dagdojiraoji Deshmukh, who embarked on seemingly impossible goals towards the betterment of society and achieved them. The institute is located on the shoreline of Arabian Sea and at a picturesque location of the city. The campus exists at Survey No.161 & CTS No.1376/1/48, Juhu-Versova Link Road, Andheri (W), Mumbai-400 053. It is built on more than 5 acres of land alongside the green and beautiful Versova beach. Currently, the institute offers five UG, three PG and three research programmes in major disciplines of engineering. Being permanently affiliated to University of Mumbai and approved by All India Council for Technical Education (A.I.C.T.E.), New Delhi, the institute has been awarded "A" grade by the Govt. of Maharashtra. Currently, the institute offers following UG, PG and research programmes in five major disciplines of engineering. Three of its undergraduate programs are accredited by National Board of Accreditation (NBA), New Delhi, India for a period of three years starting from June 2014. A recent AICTE CII survey of 2017 has certified the institute as an Industry linked institute. Having achieved many awards and recognitions at state and national level, the institute is committed to be a Centre of excellence in academics and research in the coming years.

- **Vision**

To create competent technical professionals with ethical behavior and environment consciousness.

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- **Mission**

1. To provide contemporary and cutting-edge technical education.
2. To provide an ambience which nurtures research ideas in futuristic domains
3. To initiate project-based learnings and practical exposures.
4. To direct faculties in research and consultancy / advisory roles.
5. To establish strong linkages with well-known national and international technical institutes and industry.
6. To promote a culture of imbibing environmental care.
7. To aim to become an institute of aspiration and choice

The Journey of IIC at the RGIT began from dated 20/02/2022 by forming IIC council on 22/02/2022 by head of the institute, Principal Prof (Dr.) Sanjay U. Bokade, Dr. Kishor G. Sawarkar was appointment as a President, Dr. Y. S. Patil as Vice President, Prof. Dilip Dalgade was appointed as Conveyer and Dr. Amol Mangrulkar as A Start-up coordinator, Dr Nitin Panaskar as Innovation coordinator, Prof Bhushan Patil as IPR coordinator. In CY 2021-22 the institute performed some IIC calendar activities along with some Additional activities. The institute is able to get a single star rating. Now for CY 2022-23 the institute performed all mandatory IIC, MIC and some extra activities On coordinator Dr. Amol Mangrulkar, was qualified as Innovation Ambassador and applied for an impact lecture.

- Diversified representation in the IIC established at the institute from industry:

1. **Mr. Amit Ghule**

CEO and Founder, Simplifirge Creation LLP, Mumbai

Mr Amit is working as Industrial mentor.

Area 3d Printing, design thinking etc

2. **Mr. Saurbh Shahane**

CEO and Founder, Machine Learning Company,

Bhau Incubation Center, CEOP, Pune

Mr. Saurabh is working as an Industrial mentor.

Area: Machine Learning, Industrial Automation

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3. Mr. Akshay Kalyanpur

Director, ShriDevi Tools Pvt Ltd, Vasai

4. Mr. Mandar S. Chihakle

Manager, Patent Attorney, Legasis,

12A-09 Parenee Crescenzo, BKC, Bandra (E), Mumbai

From Interdisciplinary & Departments

All the departments i.e. Mechanical, Computer, IT, Instrumentation, EXTC coordinate and contribute to the IIC.

B. Brief mention of key functionaries at the IIC Institute

● **President**

Dr. K.G. Sawarkar, Associate Professor

Qualification: B.E., M.E., PhD

Experience: 30 years

Area of Specialization: Analog Circuit Design, RF and Microwave Circuit Design

Mobile: 9870465263

Email Address: kishor.sawarkar@mctrgit.ac.in

● **Vice President**

Dr. Yogaraj S. Patil, Assistant Professor

Qualification: M. Sc., Ph.D

Experience: 25 years

Innovation Ambassador.

Area of Specialization: Luminescence, Condensed Matter Physics

Mobile: 9869510951, Email Address: yograj.patil@mctrgit.ac.in

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- **Convenor**

Prof. Dilip M. Dalgade

Assistant Professor in Comp. Engg.

Qualification: M.Tech. in Information Technology, B.E. in Computer and Science Engineering

Experience: 22 Years

Innovation Ambassador

Area of Specialization: Data Structure, Analysis of Algorithm, Programming In C, C++, Java, Object-Oriented Analysis and Design

Email Address: dilip.dalgade@mctrgit.ac.in

- **Start-up Coordinators**

Prof. Amol L. Mangrulkar, Assistant Professor

Qualification: P.hd.(Pursuing),B. E. (Mech), M.Tech (Cad Cam), PGDGIS

Experience: 11 Years (Teaching) + 15 Years(Industry)

Area of Specialization:- MEMS, DBMS, CAD/CAM/CAE/CFD, Robotics

Mobile: 96199788882

Email Address: amol.mangrulkar@mctrgit.ac.in

- **Innovation Coordinators**

Dr. Nitin Panaskar, Assistant Professor

Qualification: B.E. (Mech), M.Tech. (Mfg), PGDM

Experience: 10 Years (Teaching) + 1.5 Years (Industry)

Area of Specialization: Production Management, Manufacturing, Industrial Engineering, Process development

Mobile: 9867912535

Email Address: nitin.panaskar@mctrgit.ac.in

- **IPR Coordinators**

Prof. Bhushan M. Patil, Asst. Professor in Computer Engineering Department

Qualification: M.E. in Computer Engineering, B.E. in Computer Engineering

Experience: 21 Years

Area of Specialization: Distributed Systems, Computer Networking, Software engineering, IOT, Cloud Computing

Email Address: bhushan.patil@mctrgit.ac.in

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- **Innovation Ambassador**

Prof. Amol L. Mangrulkar

Assistant Professor

Qualification: P.hd.(Pursuing), B. E. (Mech), M.Tech (Cad Cam), PGDGIS

Experience: 11 Years (Teaching) + 15 Years (Industry)

Area of Specialization:- MEMS, DBMS, CAD/CAM/CAE/CFD, Robotics

Mobile: 9619978882

Email Address: amol.mangrulkar@mctrgit.ac.in

Dr. Yogaraj S. Patil, Assistant Professor

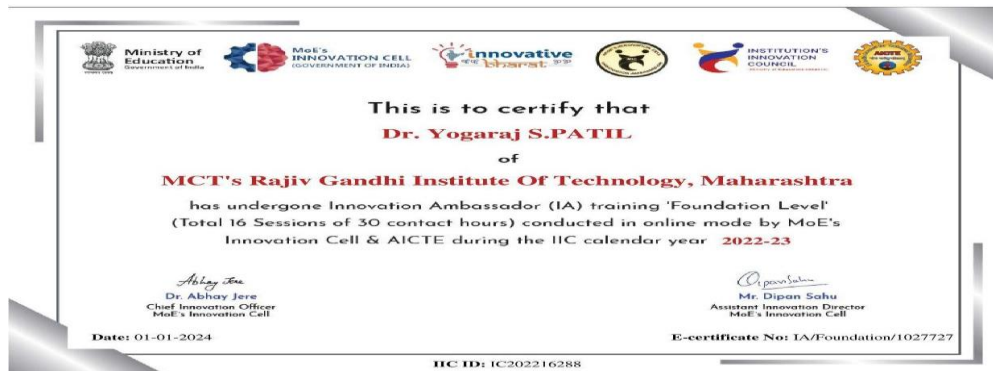
Qualification: M. Sc., Ph.D

Experience: 25 years

Area of Specialization: Luminescence, Condensed Matter Physics

Mobile: 9869510951

Email Address: yograj.patil@mctrgit.ac.in



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Qualification: M.Tech. in Information Technology, B.E. in Computer and Science Engineering

Experience: 22 Years

Area of Specialization: Data Structure, Analysis of Algorithm, Programming In C, C++, Java, Object-Oriented Analysis and Design

Email Address: dilip.dalgade@mctrgit.ac.in



C. Resource Strength

- Total Number of IIC Members = 60 (10 Faculty + 50 Students)
- Total Number of IAs = 01
- Total Number of Faculty Mentors = 14

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D. Student Bodies are as given below for IIC promotion and activities to be carried out

1. IEEE Students Chapter
2. ASME Students Chapter
3. SAE Students Bodies
4. CESS
5. CSI
6. ABIT
7. RGIT CODECELL
8. ISA
9. UHV
10. IETS
11. RES
12. ISHRAE
13. ROBOTICS CLUB
14. AERO-RGIT CLUB
15. E-CELL
16. MESA
17. CRID
18. DMX

E. Highlight Achievements

- Number and Different types of I&E and IPR activities Conducted = 20
- No. of students & faculty ideas generated = 2
- No. of students & faculty Innovation/prototypes developed = Nil
- No. of IPs generated, published and granted = 03
- No. of Student & Faculty Start-ups/Ventures established=Nil
- Amount spent on promotion and awareness generation on Innovation
- Entrepreneurship in the campus = Rs. 3,00,000
- Amount grant or fund supported to student & Faculty lead Innovations, start-ups and IPR Rs. 3,00,000
- No. of Technology Transfer and Commercialisation happened = Nil

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F. Highlight a few best IIC Faculty/Student members and their achievements/rewards for the innovations at different forum

Our IIC students own a national-level hackathon prize of Rs. 1 Lakh

G. Specially for the schemes or programs

Smart India Hackathon (Got a prize of Rs. 1 Lakh)

H. Detail of Social Media & Connections of IIC institute

Instagram Page: <https://www.instagram.com/mctrgitofficial>

Facebook Page: <https://www.facebook.com/mctrgitofficial>

Linkedin Page: <https://www.linkedin.com/school/mctrgitofficial>

Youtube Channel: <https://www.youtube.com/mctrgitofficial>

Twitter: <https://twitter.com/mctrgitofficial>

I. Testimonials from IIC members and external about IIC institute and IIC of MoE's Innovation Cell

“We just wanted to share a quick note and let you know that IIC and MoE's Innovation cell are doing a really good job for the nation. We are glad we decided to work with you for the long term to achieve your objectives. It's great for us to carry out various activities assigned to us which will help us to enhance our skills. We never have any issues while conducting the various activities of IIC and MoEs”

– **Dr. Kishor G. Sawarkar, IIC President**

J. Contact

Dr Kishor G. Sawarkar

President, IIC

MCT's Rajiv Gandhi Institute of Technology,

Juhu Versova Link Rd, Behind HDFC Bank, Gharkul Society,

Bharat Nagar, Versova

Andheri West, Mumbai, Maharashtra 400053

Phone: 022 2670 7026

Mobile: 91 98704 65263

Email: kishor.sawarkar@mctrgit.ac.in

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IIC_6.0_RGIT_Q1_IIC

1) NAME:

My Story - Motivational Session by Successful Entrepreneur/Start-up founder - Mr. Sumersingh Rajpurohit. Along with Practical Entrepreneurship Insights and Opportunities for Early-Stage Entrepreneurs.



This session was conducted on 11th September 2023 by IIC, RGIT in offline mode

2) NAME:

My Story - Motivational Session by Successful Entrepreneur/Start-up founder - Mr. Harshil Khatri, Public Speaker, Ex-Josh Talks, IIT BOMBAY. Along with Practical Entrepreneurship Insights and Opportunities for Early-Stage Entrepreneurs.

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INSTITUTION'S INNOVATION COUNCIL
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RAJIV GANDHI INSTITUTE OF TECHNOLOGY, MUMBAI

Entrepreneurship Cell
Rajiv Gandhi Institute of Technology, Mumbai

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

PRESENTS

MY STORY - MOTIVATIONAL SESSION BY SUCCESSFUL INNOVATOR

HARSHIL KHATRI

**Public speaker,
Josh talks speaker,
IIT Bombay**

27TH SEPTEMBER, 2023

3:00 P.M. ONWARDS

SEMINAR HALL

Dr. Amol Mangrulkar
9619978882
Start-Up Coordinator

Mr. Dilip Dalgade
9029264675
Convener

Dr. Yogaraj Patil
9869510951
Vice-President

Dr. Kishor Sawarkar
9870465263
President

<https://www.instagram.com/mctmumbai/>

<https://www.facebook.com/mctmumbai/>

<https://www.twitter.com/mctmumbai/>

<https://www.linkedin.com/company/mctmumbai/>

<https://www.youtube.com/channel/UCmctmumbai/>



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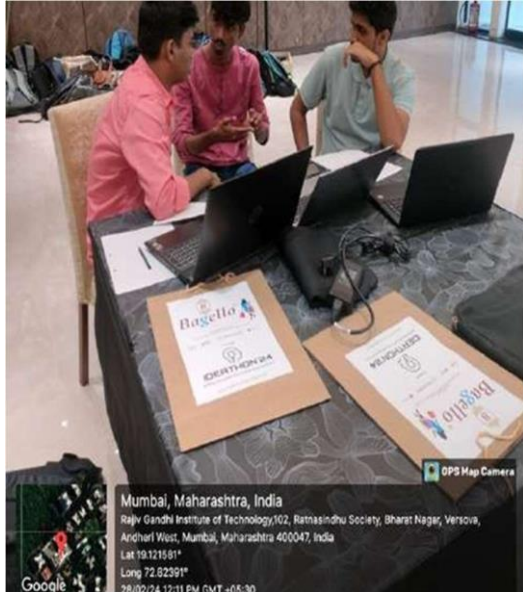
Q2_Ideathon'24

3) Name: Ideathon'24

The Ideathon event aims to create an environment where participants feel encouraged to think outside the box and solve real-life problems



Day 1 activity (28/02/24):



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Day 2 activity (29/02/24):



NAME: Session on Achieving Problem-Solution Fit and Product-Market Fit 30/01/2024



NAME: Workshop on Entrepreneurship Skill, Attitude & Behavior development 16/02/2024



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IIC_6.0_RGIT_Q3_Self Driven Activity

4) Name Of the Activity:-- SHARK- A-THON

OBJECTIVES:

To demonstrate their innovative ideas and business strategies to an influential audience.

To showcase their skills.

SHARK A-THON

- Prize Pool:** A whopping ₹70K (₹35K Cash Prize + ₹35K Vouchers) awaits the top three winners along with ₹48K worth of prizes for all other shortlisted teams!
- Limit:** 3 members per team.
- Entry Fee:** Free

26th March, 9:00 am Onwards
Rajiv Gandhi Institute of Technology, Versova

Dr. Anand Menon (9819979800) - Start-Up Coordinator
 Mr. Anup Singh (9800000000) - Co-ordinator
 Mr. Venkay Veni (9866600001) - Vice- President
 Dr. Adish R. Sawarkar (9870185263) - President

Dr. Dhanu U. Tokade (Principal)



IIC_6.0_RGIT_Q4_

NAME: Lean Start-up & Minimum Viable Product/Business Fit

Seminar: Session on "Learn Start-Up & Minimum Viable Product" - Bootcamp

Project: Fine-Tuning a Large Language Model (LLM) - LLaMA and PEFT Training

- Attend and collect your certificate and fun goodies—every attendee gets them!

Date: 25 July 2024
Time: 10:00am - 03:00pm
Venue: BIT LAB

Mr. Nabeel Akhtar Sayed
 AI Developer

- 1. Kickstart Your AI Journey**
Learn the must-have skills and knowledge to start your exciting career in AI.
- 2. Find Your Path**
Get expert advice to choose the AI specialization routes for you.
- 3. Unlock the Power of Math and Coding**
Discover why math and programming are key to AI success.
- 4. Land Your Dream AI Job**
Master job search strategies and networking tips to secure your ideal position in AI.

Contact us:
 + Kishor Patil: 83697 39213
 + Karim Khari: 99301 83452

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NAME: Guiding Framework for Creating and Engaging Trained Faculty and Student IIC Members Innovation Ambassadors (IA) in IIC Institutions and Rewarding Mechanisms for IAs 29TH JULY 2024 11:00AM

ACTIVITY FLYER:

NAME: Strengthening IIC Linkages with ATLs and SICs in Schools and Framework for providing Mentorship Guidance. 31 July 2024, 11:00 am.

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ACTIVITY FLYER:

MoE's INNOVATION CELL (GOVERNMENT OF INDIA) | INSTITUTION'S INNOVATION COUNCIL (Ministry of Education Initiative)

MIC Driven Session IIC6.0 (2023 - 24)

All IIC Members are Requested to Join us on MIC YouTube Channel

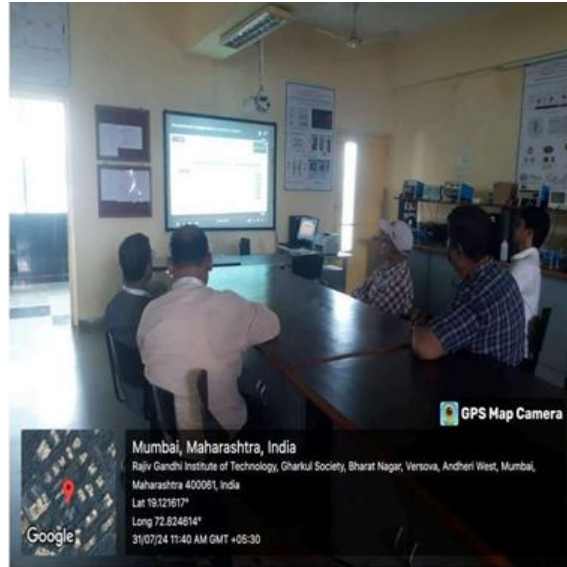
Mr. Dipan Kumar Sahu
 Assistant innovation Director
 MoE's innovation Cell

Wednesday
 31st July 2024

Join Us on
 YouTube **LIVE**
 @MoEInnovationCell

11:00 AM

/mhrdinnovation |
 @mhrd_innovation |
 /mhrd.innovationcell



NAME: Building the Pipeline of Quality Innovations and Startups in HEIs with Ecosystem Enablers by Creating and Managing YUKTI Innovation and IPR Repository (YIIR).

FRIDAY 2 nd AUGUST 2024 11.00 AM

ACTIVITY FLYER:

MoE's INNOVATION CELL (GOVERNMENT OF INDIA) | INSTITUTION'S INNOVATION COUNCIL (Ministry of Education Initiative)

MIC Driven Session IIC 6.0 (2023 - 24)

All IIC Members are Requested to Join us on MIC YouTube Channel

Mr. Dipan Kumar Sahu
 Assistant innovation Director
 MoE's innovation Cell

Friday
 2nd August 2024

Join Us on
 YouTube **LIVE**
 @MoEInnovationCell

11:00 AM

/mhrdinnovation |
 @mhrd_innovation |
 /mhrd.innovationcell

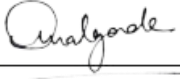


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Prepared By	Checked By	Verified By	Approved By
Dr. Amol Mangrulkar	Prof. Dilip Dalgade	Dr. Yogaraj S. Patil	Dr. Kishor G. Sawarkar
IIC Startup Coordinator	IIC Convener	IIC Vice President	IIC President

Prof. Dilip Dalgade,
Convener, IIC



Dr. Yogaraj Patil, Vice-
President, IIC



Dr. Kishor Savarkar,
President, IIC