



Shri Ramdeobaba College of Engineering and Management

Ramdeo Tekdi, Gittikhadan, Katol Road, Nagpur - 440 013

Industry Institute Interaction Cell

RCOEM has always emphasized on strong industry institute relationship. For this the college is having dedicated Industry Institute Interaction (III) Cell. The sole objective of this cell is to cultivate symbiotic relationship between college and industry as well as college and other research institutes. Since inception, the college has developed excellent relationship with industry through which the college has been able to achieve many of its objectives such as placements, research, consultancy etc. Strong industry linkages are helping the college to bring better placements, summer internships and opportunities to our students for industry visits. Through III Cell many faculty members of the college are engaged in numerous consulting assignments which in turn bring industry exposure into the four walls of classrooms.

Objectives: .

- To cultivate **symbiotic relationship** between college and industry as well as college and other research institutes. **To help industries to solve their problems** through research, training and consultancy.
- To provide ample opportunities for **industry exposure** to students and faculty through industry visits, summer internship and industry projects.
- **To involve industry professionals** in curriculum design, delivery and assessment so as to make students industry ready.
- To help industry professionals/students to upgrade their qualification, knowledge and skill through higher education, **continuing education programme and training.**
- To establish **Incubation Center** by giving momentum to **entrepreneurship development activities** and to provide entrepreneurs an opportunity to connect with each other, mentors and investors in addition to basic office infrastructure.

To achieve its objectives following activities are being undertaken:

- **Foster Symbiotic Relationship**
 - In order to foster symbiotic relationship between college and industry, college is continuously making dialogue with industry.
 - Inviting industry executives to the college to discuss and share thoughts, ideas and experiences to create a symbiotic relationship.
 - Memoranda of Understanding between the college and industries to bring the two sides emotionally and strategically closer.
- **Providing help to Industries**
 - Providing help to Industries
 - Consultancy by the faculty to industries.
 - Providing testing and calibration services to industry.

- Conducting joint research programs.
- Encouraging industry professionals to pursue higher education through ME by Research / Ph.D at RCOEM.
- **Industry Exposure to Students and Faculty**
 - Industry exposure to students and faculty through industry visits.
 - Students' projects/dissertation work in industries under joint guidance of the faculty and experts from industry.
 - Practical training / Summer Internship of students in industries.
 - Industry Internship for faculty members.
- **Industry involvement in Curriculum Design, Delivery and Assessment**
 - Participation of experts from industry in curriculum development.
 - Inviting industry professional to deliver expert lectures.
 - Involvement of industry professional in students' assessment.

Prominent Achievements:

- **MOUs with industries : 35**
- **Industry Sponsored Labs : 08**
- **Knowledge Management Partner Institution (KMPI) of Consultancy Development Centre (CDC), Government of India.**
- **Consultancy Services :**

Value : 2015-17 Rs. 2 Cr

Areas: Soil Testing ,Product Development , Testing , Lean Manufacturing

Major Clients : Maharashtra State Police Housing Corporation Ltd, Maharashtra Road Transport Corporation Ltd, Dhawad & Associate, IndoRama Synthetics Ltd ,DRA Consultant, Manganese Ore (India) Limited (MOIL) Ltd. ,Mahindra and Mahindra, Carrier & Core, Mahagams, Signtronics Pune

- **Industry Institute Partnership Summit :** “PRAGATI”, “ABHYUDAYA”, “SAMVAD” , “ EMPOWER” International Conference organization in association with industries on Strategies in the Present Scenario for Managing Growth and Competitiveness Managing Supply Chain for Global Competitiveness, Smart Strategies for Digital World, MICON 2016, **InnoQuest** : case studies presentation on innovative practices adopted by industries .
- **Six month Industry Internship and Projects** in association with Industry
- **Industry Internship for faculties**
- **Industry offered subjects : 06; Partial Delivery of Courses : 50**
- **RCOEM Technology Business Incubators (RCOEM TBI) Foundation: (Center for Innovation, Entrepreneurship and Incubation)**
- **RCOEM RGSTC-TIFAC-MSME Internship Scheme**
- **Knowledge Management Partner Institution (KMPI) of Consultancy Development Centre (CDC) , Government of India**
- **Continuing Education & Skill Development Programs**

Association with MSME

- ❖ 3 years Successful Execution of Technology Information Forecasting, and Assessment Council (TIFAC)-Rajiv Gandhi Science and Technology Commission (RGSTC)- MSME Internship Scheme in Nagpur region
- ❖ Established a platform for the 50 MSME industries to access R&D and technical support , leveraging the knowledge base of faculty and students.
- ❖ Registered Lean Manufacturing Consultant with Quality Council India(QCI) & National Productivity Council (NPC)
- ❖ MOU with MGIRI (Mahatma Gandhi Institute for Rural Industrialization), Maharogi Seva Samiti (Anandwan) for development and commercialization of low cost technologies for rural/ agro industrialization
- ❖ Faculties are providing active support to various MDP; Skill Development Training Programs , Lean Manufacturing Workshops

Our esteemed clients : IndoRama Synthetics Ltd., Power Grid Corporation of India Ltd., Mahindra & Mahindra Ltd., Hindalco Pvt. Ltd., Aditya Birla Group, MOIL, WCL, Ordnance Factory Ambajhari, Indian Air Force, OCW, Power Grid Corporation of India Ltd., AG Office.

RCOEM Technology Business Incubators (RCOEM TBI) Foundation: (Center for Innovation, Entrepreneurship and Incubation)

RCOEM TBI Foundation, a section 8 company has been incorporated by college to give momentum to innovation, entrepreneurship and incubation support related activities. It is a flagship initiative of the institute, intended to build a strong ecosystem for nurturing innovation and startups in the region that will drive sustainable economic growth and generate employment opportunities.

:: Supported by ::



RCOEM is selected as **“HOST INSTITUTE”** by Ministry of Micro, Small and Medium Enterprises, Government of India, under Scheme “Support for Entrepreneurial and Managerial Development of SMEs through Incubators” and **ASPIRE** : A Scheme Promoting Innovation, Rural Industry & Entrepreneurship in the region.

Services Offered :

Innovation And Design Center with 3D Printer, CNC Machines, Product Design, Development and Testing facilities

Support :

- Fully furnished Office Space
- Conference room
- Networking
- Trainings and workshops
- Access to Innovation and Design Center and RCOEM Labs Equipment and
- Business Coaching
- Business Planning
- Mentoring Access
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Funding Support

Pre-incubation Phase: Rs. 3.00 lakhs

Incubation Phase: As per requirement

- **MSME HI/BI :** Sector: Manufacturing and Process Industries
Max Support : Rs. 6.5 lakh.
- **ASPIRE :** Sector: Agriculture, Rural Industries
Max.Support : Rs. 4.0 lakh.

Our Incubatees:



Ira Industries, engaged in manufacturing patented modern building and paver blocks with novel concept that requires process modification in manufacturing with silica fume and fly-ash admixtures. The manufactured blocks are fit for low, medium and heavy traffic condition. The company also manufactures building blocks for compound walls, emergency shelters and Permeable Blocks.



The Imperial Lubricants :

A startup engaged in manufacturing Multipurpose Grease, a Low cost substitute for Import Quality branded grease. The startup aims at improvement in consistency, density, quality, drop point and other properties for varied applications.



Somebuddy is a ITES platform to address construction related issues. It is a platform where one can find experienced contractors, material suppliers and service providers from architects to interior designers and compare quotations, reviews necessary to make a right decision.



Doorstep one-stop solution for servicing, repair and insurance renewal services for two wheelers.

RCOEM RGSTC-TIFAC-MSME Internship Scheme : (2015 till date)

RCOEM has been selected for the implementation of the prestigious scheme of RGSTC-TIFAC-MSME Internship Scheme, supported by Rajiv Gandhi Science and Technology Commission (RGSTC), Government of Maharashtra and Technology Information, Forecasting and Assessment Council (TIFAC), Department of Science & Technology, Government of India, for Providing Technical Support to the Micro Small and Medium Enterprises (MSMEs) by Leveraging the Capabilities of Students and faculty of engineering & technical institutions.

Phase-I: Under this scheme 36 undergraduate students for various branches of engineering were sent for internship in 18 industries of MSME Sector for 2 Months to identify some technical problem/ challenge of industries under the guidance of mentor faculty . Students will be paid the stipend of Rs. 5000 per student per month

Phase II : Students proposes an appropriate, low cost and easily adoptable, time bound solution. . These proposals were evaluated by Dr. Anil Kakodkar, Chairman, Rajiv Gandhi Science & Technology Commission (RGSTC). Five project proposals are selected for phase II execution with financial assistance.

Knowledge Management Partner Institution (KMPI) of Consultancy Development Centre (CDC) , Government of India

RCOEM has been empanelled as Knowledge Management Partner Institution (KMPI) under the Programme on “Building Capacities for Consultancy Development & Knowledge Management with Partner Institution (KMPI)” of the Consultancy Development Center (CDC), Government of India.

The KMPI is going to establish the CDC to undertake consultancy, training and sponsored research services to the industry, creation of knowledge repository and web based forum through which industry and academia can interact and share their knowledge and expertise to solve each others problem.

Continuing Education & Skill Development Programs:

With the rapid pace of growth in technological knowledge and frequent paradigm in technology, Continuing Education of working professionals in industry is a vital need. The Continuing Education Programme (CEP) at RCOEM aims to meet the manpower training and knowledge upgradation needs of the industry.

The department of Electronics Engineering and Information Technology have been approved under PMKVY-TI by AICTE for the Electronics/IT Sector-Field Course. Around 108 unemployed youths have received training under this scheme , 59 got employment .

Industry Visit: A regular feature of curriculum: 2017-18

Our students and faculties have visited TCS, MSRTC Central Workshop, MIHAN ,Bajaj Steel, Plasto , Khaparkheda Power Station, Hindalco, ASHOK LEYLAND, Kapilansh Dhatu Udyog, Inotek Antenna, HVDC Station Chandrapur, Adani Power, Lemken ,JSW ISPAT Ltd, Dinshaw, Amul ,Regional Remote Sensing Center, Pench Hydroelectric Power Plant, Power Grid Corporation of India Ltd.,Bhadrawati, Ajni Loco Shed, BSNL Uniworth Textiles ,Bhagirath Textiles ,Mahananda Dairy , Star Circlips, Spacewood Haldiram, Parle G and Reliance Power.

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