



AICTE ID: 1-3548321

College Code: 231

# R. D. ENGINEERING COLLEGE

Approved by AICTE New Delhi & Affiliated to Dr. APJ Abdul Kalam Technical University, Lucknow under the aegis of IQAC

## 6.2.1 Supporting Document for Institutional perspective Plan and deployment documents on the website

### Vision:

Our vision is to aspire and provide dynamic, creative, and international education, aiming to establish R.D Engineering College as the foremost institution in terms of exceptional education, research, and dedication to the nation growth.

### Mission:

1. To create additional opportunities through the establishment of an incubation center.
2. To expand the number of labs to become centers of excellence for technical and management education.
3. To foster qualities such as leadership, professionalism, executive competence, and corporate understanding in students.
4. To instill and strengthen human values, ethics, and morals among our students.
5. To prepare students to compete globally and become internationally competitive professionals.

  
Director  
R.D. Engineering College  
Duhai, Ghaziabad



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## **TARGET POINTS**

- 1. Preparing Graduates as Per Industry**
- 2. Promoting Research Culture**
- 3. Establishing an Innovation and Entrepreneurship**
- 4. Development on Environment and Social Sensitiveness**
- 5. Training and Development**

  
Director  
R.D. Engineering College  
Duhat, Ghaziabad



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## Preparing Graduates as Per Industry

The vision of RDEC is to establish itself as a leading provider of industry focused higher education in India. The aim is to equip students with the necessary knowledge, intellectual skills and practical experience to secure long-term employment opportunities. The ultimate objective is to ensure that students are job ready. The approach we will take involves partnering with industry experts to develop content, provide hands on training, and keep students and faculty up-to-date on the latest industry trends. This will ensure that our classroom instruction aligns with the needs of the corporate world. MOUs with industry and technology training partners will strengthen the mission.

## Promoting Research Culture

The objective is to encourage innovative interdisciplinary research and address industrial issues that have significant societal and economic impacts. This will be achieved by promoting research projects from various sectors, including government, industry and social sectors. Additionally, the aim is to increase the number of publications in high-ranking journals indexed in SCOPUS and SCI. Establishing Centers of Excellence in all relevant departments is deemed necessary to promote research, consulting and social projects. The organization plans to enhance current research themes by establishing Centers of Excellence (CoEs) in all pertinent departments. The Centers of Excellence (CoEs) serve the purpose of familiarizing faculty and students with research techniques and methods for investigating topics related to the needs of society and industry.

## Establishing an Innovation and Entrepreneurship

The objective is to foster innovation and entrepreneurship among young students by providing coaching, mentorship, assistance to encourage and support the creation of start-ups. There is a positive relationship growth and the number of patent applications filed/patents awarded, as well as technology transfer. The institute aims to encourage innovation among its students and faculty by equipping them with the necessary training, expert guidance and financial incentives to file patent applications. Establishing contact with the industry is a crucial step towards technology transfer agreements. A revenue-sharing arrangement that is fair and transparent will be implemented between the incubation center and the inventors.

  
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## Development on Environment and Social Sensitiveness

RDEC believes that institutes, through participating in active community extension activities, may play a significant role in the achievement of the socioeconomic development objectives that have been set for our nation. This strategy will not only assist to increase the quality of research and teaching in the institute by enhancing students and faculty members grasp of the difficulties faced by the society, but it will also help student better comprehend the world around them. Institutional Social Responsibility is integral to the principles that guide RDEC operations.

Issues that are of concern to the local community will be identified and worked on to achieve maximum effect with a professional touch and learning.

## Training and Development

At RDEC, we foster a culture of multidisciplinary education, where our esteemed faculty and students are encouraged to engage in interdisciplinary teaching, learning and research. As we move towards the industry 4.0 eras, it is imperative that higher education adapts accordingly by offering courses in modern and relevant domains. Industry 4.0 entails the revolutionizing of industrial processes by leveraging state of the art technology such as sensors, networking and computers. Our pursuit of industry oriented new courses in the next five years will be driven by technologies such as Cyber Physical System, the Internet of Things (IoT), Cloud Computing, Machine Learning, Data Analytics, Business Intelligence and Argument/ Virtual Reality. These technologies are considered as drivers for change in higher education in the twenty-first century.

  
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