

Agnel Charities
Fr. C. Rodrigues Institute of Technology,
Vashi, Navi Mumbai

Road Map for next 5 years

Mechanical Engineering Department

The department has identified three important factors to be improved upon to support the institution to attain its vision and mission. A precise effort will be taken in improving faculty development, research and development and student development, with major goals defined in the table below.

Year	Goal/ Activity	Remark*
2017- 2018	1. Research proposals to be submitted: minimum 3	Yes
	2. Research paper 8-10 refereed Journals and Reputed conferences.	Yes
	3. Laboratory up-gradation in the fields of Heat transfer, CAD/CAM, Mechanical vibrations.	Yes
	4. Faculty upgradation of knowledge through SWAYAM portal: 12 faculty members minimum	Partially
	5. Faculty conducting STTP/FDP: 3 faculty members minimum and faculty attending STTP/FDP: 8 faculty members minimum	Yes
	6. Faculty applying for higher education: 3 faculty members minimum	Yes
	7. Faculty skill development through certification courses or industry training: 2 minimum faculty members	Partially
	8. Students Results Goal: 11% of students will achieve CGPI 9 and above. Maintaining overall current passing percentage. Current passing: BE – 97.4%, TE – 89.9%, SE – 88.3%	Partially
	9. Students preparation for competitive examinations: Establishing of GATE Forum in the department.	Yes
	10. Students preparation for placements in the final year.	Yes
	11. Encouragement to students for going to Internships.	Yes
	12. Encouragement to assist students to take part in National / International level competitions	Yes
	13. Encouragement to students to participate in Extra-curricular activities like MESA, ISHRAE and SAE	Yes
	14. Submission of application to NBA	Yes

2018- 2019	1. Research proposals to be submitted: minimum 3	
	2. Research paper 8-10 refereed Journals and Reputed conferences.	
	3. Laboratory up-gradation in the fields of Strength of materials, Fluid Mechanics, Mechanical Measurement & Metrology and Material Technology	
	4. Faculty upgradation of knowledge through SWAYAM portal: 12 faculty members minimum	
	5. Faculty conducting STTP/FDP: 3 faculty members minimum and faculty attending STTP/FDP: 8 faculty members minimum	
	6. Faculty skill development through certification courses or industry training: 2 faculty members minimum	
	7. Students Results Goal: 12% of students will achieve CGPI 9 and above. Maintaining overall current passing percentage.	
	8. Students preparation for competitive examinations.	
	9. Students preparation for placements in the final year	
	10. Encouragement to students for going to Internships	
	11. Encouragement to assist students to take part in National / International level competitions	
	12. Encouragement to students to participate in Extra-curricular activities like MESA, ISHRAE and SAE	
	13. Getting accreditation and submission of application for permanent affiliation and submission of application to NAAC	
2019- 2020	1. Research proposals to be submitted: minimum 3	
	2. Research paper 8-10 refereed Journals and Reputed conferences.	
	3. Laboratory up-gradation in the fields of Automobile Engineering, Refrigeration & Air-conditioning and Thermal Engineering.	
	4. Faculty upgradation of knowledge through SWAYAM portal: 12 faculty members minimum	
	5. Faculty conducting STTP/FDP: 3 faculty members minimum and faculty attending STTP/FDP: 8 faculty member minimum	
	6. Faculty skill development through certification courses or industry training: 2 faculty members minimum	
	7. Students Results Goal: 13% of students will achieve CGPI 9 and above. Maintaining overall current passing percentage.	
	8. Students preparation for competitive examinations	
	9. Students preparation for placements in the final year	
	10. Encouragement to students for going to Internships	
	11. Encouragement to assist students to take part in National / International level competitions	

	12. Encouragement to students to participate in Extra-curricular activities like MESA, ISHRAE and SAE	
	13. Preparing teaching learning model of academic autonomy	
2020- 2021	1. Research proposals to be submitted: minimum 3	
	2. Research paper 8-10 refereed Journals and Reputed conferences.	
	3. Laboratory up-gradation in the fields of Computation Fluid Dynamics and Fluid Machinery.	
	4. Faculty upgradation of knowledge through SWAYAM portal: 12 faculty members minimum	
	5. Faculty conducting STTP/FDP: 4 faculty members minimum and faculty attending STTP/FDP: 3 faculty members minimum	
	6. Faculty applying for higher education: 1 faculty member minimum	
	7. Faculty skill development through certification courses or industry training: 1 faculty member minimum	
	15. Students Results Goal: Maintaining the percentage of students achieving CGPI 9 and above to 13%. Maintaining overall current passing percentage.	
	8. Students preparation for competitive examinations	
	9. Students preparation for placements in the final year	
	10. Encouragement to students for going to Internships	
	11. Encouragement to assist students to take part in National / International level competitions	
	12. Encouragement to students to participate in Extra-curricular activities like MESA, ISHRAE and SAE	
13. Submission of application for autonomy / NBA application if required		
2021- 2022	1. Research proposals to be submitted: minimum 3	
	2. Research paper 8-10 refereed Journals and Reputed conferences.	
	3. Laboratory up-gradation in the fields of Internal Combustion Engine and Mechatronics.	
	4. Faculty upgradation of knowledge through SWAYAM portal: 12 faculty members minimum	
	5. Faculty conducting STTP/FDP: 4 faculty members minimum and faculty attending STTP/FDP: 3 faculty member minimum	
	6. Faculty applying for higher education: 1 faculty members minimum	
	7. Faculty skill development through certification courses or industry training: 1 faculty member minimum	
	8. Students Results Goal:	
	9. Maintaining the percentage of students achieving CGPI 9 and above to 13%. Maintaining overall current passing percentage.	

	10. Students preparation for competitive examinations	
	11. Students preparation for placements in the final year	
	12. Encouragement to students for going to Internships	
	13. Encouragement to assist students to take part in National / International level competitions	
	14. Encouragement to students to participate in Extra-curricular activities like MESA, ISHRAE and SAE	
	15. Aiming for autonomy	

*Completed / Not completed if not completed reasons for the same

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HOD

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Dean - Faculty

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Principal

