

R. N. G. Patel Institute of Technology - RNGPIT

MAPPING OF INTERNSHIP PROGRAMME OUTCOME WITH NBA GRADUATE ATTRIBUTES:

First every one go through this than fill the form.

S.No.	Graduate Attributes from NBA	Activities proposed	Outcome
1.	Engineering Knowledge: Apply the knowledge of mathematics, science, Engineering fundamentals, and an engineering specialization for the solution of complex engineering problems.	Practical experienceduringindustrial internship/ Projectwork.	An ability to apply knowledge in application of engineering techniques, tools and resources on the project. The application of systematic engineering design processes appropriate to the internship program.
2.	Problem analysis: Identify, formulate, research literature and analyze complex engineering problems reaching a substantiated conclusion using first principles of mathematics, natural sciences and engineering sciences.	Working for Consultancy/ research projects in the institutes.	Helping Faculty members in their research and consultancy projects will help student learn research methodologies and analytical tools and will develop an ability to use appropriate knowledge and skill to identify, formulate, analyze, and solve complex engineering problems in order to reach substantiated conclusions.
3.	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for public health and safety and cultural, societal, and environmental considerations.	Innovation / Entrepreneurship Activities: Participation in Innovation Competitions, Idea completions, Hackathon etc	An ability to design solutions for complex, open-ended engineering problems and to design systems, components or processes that meet specified needs with appropriate attention to health and safety risks, applicable standards, and economic, environmental, cultural and societal considerations.
4.	Conduct investigations of complex problems.	Project work/ industrial training/ International Internships or advanced engineering courses are considered for meeting internship credit requirements	Global competitiveness and employability of students will be enhanced.

5.	Modern tool usage: Create, select and apply appropriate techniques, resources, and modern engineering and IT tools, including prediction and modelling of complex engineering activities, with an understanding of the limitations.	Work on the modern tools, processes being used in the industry. Where possible interns should expose themselves to advanced tools like simulation and modelling.	Will be able to use modern tools and processes to solve the live problems.
6.	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal, and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	The AICTE Activity Point Program focuses on supporting all these sections of society especially in villages.	Students will learn their social responsibilities and to use their professional engineering knowledge to assess societal, health, safety, legal and cultural issues.
7.	Environment and Sustainability: Understand the impact of the professional engineering solution in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development.	Under the community service activities, focus on the environment and sustainability issues has been laid down.	Students will learn the importance and methods of environment protection & sustainability and will develop an ability to analyze social and environmental aspects of engineering activities.
8.	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	The intern will learn to demonstrate honesty, punctuality and obey Company's business practices and procedures.	Learning of professional ethics and accountability will make student ready for the future.
9.	Individuals and team work: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings.	Students are required to help the Committees for organizing Conference/ workshop/ Competition at Institutional Level.	Student will develop ability to work effectively as a member and leader in teams, preferably in a multidisciplinary setting.
10.	Communication: Communicate effectively on complex engineering activities with the engineering community and with the society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.	To assist students in industrial training at the end of second and fourth semester. Training & Placements hall also organize training for student's Personality Development, improving Communication Skills, report writing, presentation skills, Foreign Languages etc.	The student will develop an ability to communicate effectively (oral and written communication, report writing, presentations skills).

11.	Project Management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.	The industry should make sure to include interns in brainstorming sessions and also be given opportunity to understand Project Management and finances.	These competencies will help the student in horizontal and vertical mobility.
12.	Life-long learning: Recognize the need for and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.	Students will learn to implement knowledge into practice and innovate.	Students' ability to identify and address their own educational needs in a changing world in ways sufficient to maintain their competence and to allow them to contribute to the advancement of knowledge will be enhanced.

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INDUSTRY MENTOR /SUPERVISOR EVALUATION OF INTERN (IMPACT ANALYSIS)

Student Name: _____ PEN _____ :

INDUSTRY MENTOR Name: _____ Designation: _____

Company/Organization: _____ Department: _____

CLASS: _____ TERM: _____

Dates of Internship: From _____ To _____

: Please evaluate your intern by indicating the frequency with which you observed the following behaviors.

Parameters	Needs improvement	Satisfactory	Good	Excellent
Behaviors				
Performs in a dependable manner				
Cooperates with co-workers and supervisors				
Shows interest in work				
Learns quickly				
Shows initiative				
Produces high quality work				
Accepts responsibility				
Accepts criticism				
Demonstrates organizational skills				
Uses technical knowledge and expertise				
Shows good judgment				
Demonstrates creativity/originality				
Analyzes problems effectively				
Is self-reliant				
Communicates well				
Writes effectively				
Has a professional attitude				
Gives a professional appearance				
Is punctual				
Uses time effectively				

Overall performance of student intern (circle one):

(Needs improvement/Satisfactory/Good/Excellent)

Additional comments, if any: _____

Name & Signature of Industry Mentor

INDUSTRY STAMP: _____