



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Kakinada-533003, Andhra Pradesh (India)

Program wise Curriculum Analysis of (R16)

Program Code	Program Name	No of Courses having focus on			Total Courses	Percentage
		Employability	Entrepreneurship	Skill development		
03	M.Tech – Biotechnology	14	03	07	18	85%


Coordinator


Chairman, Board of Studies


REGISTRAR
J.N.T. University Kakinada
Kakinada-533003



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

Kakinada-533003, Andhra Pradesh (India)

Course wise Curriculum Analysis (R16)

Program Code: 03

Program Name: M.Tech - Biotechnology

Year: 1

Semester: 1

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
1.	Microbial Technology	Yes		
2.	Bioprocess Engineering	Yes		
3.	Bioinformatics	Yes	Yes	Yes
4.	Immuno-technology	Yes		
5.	Elective-I: Cancer Biology Protein Engineering Fermentation Technology	Yes		
6.	Elective-II: Medical Biotechnology Biological Treatment of Waste water Green Energy Technology	Yes		
7.	Immunology & bio process Lab	Yes		Yes
Total		7	1	2



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Course wise Curriculum Analysis (R16)

Program Code: 03

Program Name: M.Tech - Biotechnology

Year: 1

Semester: 2

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
1.	Recombinant DNA Technology	Yes		
2.	Metabolic Engineering	Yes		
3.	Bioreactor design	Yes		
4.	Stem cell Technology	Yes		
5.	Elective-III: Biopharmaceutical Technology Membrane Biology and Signal Transduction Biofuels	Yes	Yes	
6.	Elective-IV: Molecular Modeling & Drug Design Food Biotechnology Bio-Nanotechnology	Yes	Yes	Yes
7.	Lab-2: r-DNA Technology & Bioinformatics lab	Yes		
Total		7	2	1



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Course wise Curriculum Analysis (R16)

Program Code: 03

Program Name: M.Tech – Biotechnology

Year: 2

Semester: 3

Course code	Course name	Employability (Yes/No)	Entrepreneurship (Yes/No)	Skill development (Yes/No)
1.	Seminar – I			Yes
2.	Project Work - I			Yes
Total				2



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Course wise Curriculum Analysis (R16)

Program Code: 03

Program Name: M.Tech – Biotechnology

Year: 2

Semester: 4

Course code	Course name	Employability (Yes/No)	Entrepreneur ship (Yes/No)	Skill development (Yes/No)
1.	Seminar – II			yes
2.	Project Work - II			Yes
	Total			2


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