

P.C.E



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
Kakinada-533003, Andhra Pradesh (India)

Projects/Internship/Field visits

AY: 2021-22

Program Code	Program Name	Projects		Internships		Field visits	
		No of projects	Total no. of students	No. of Internships	Total no. of students	No. of Field visits	Total no. of students
021A08	B. Tech Petro chemical Engg.	50	50	50	50	0	0

NW
Coordinator

H. B. S.
Director
Head
Dept. of Petroleum Engineering &
Petrochemical Engineering, UCEK (A)
J.N.T. University Kakinada
Kakinada - 533 003 A.P India

S. S. S.
REGISTRAR
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Kakinada-533003

PRODUCTION OF OXALIC ACID FROM CARBONDIOXIDE

A Project report submitted in partial fulfilment for the award of degree of

**BACHELOR OF TECHNOLOGY IN
PETROCHEMICAL ENGINEERING**

710

By

**CHERUKUWADA TARUN KUMAR
(18021A2501)**

Under the Guidance and Supervision of

**Mr. P. Anil Kumar
Assistant Professor**



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**PRODUCTION OF DIMETHYLFORMAMIDE
FROM CARBON DIOXIDE**

*A project report submitted in partial fulfillment for the award of
degree of*

**BACHELOR OF TECHNOLOGY IN PETROCHEMICAL
ENGINEERING**

By

SAI VARDHAN SIDAGAM

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i


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PRODUCTION OF SYNTHESIS GAS FROM BIO GAS

A project report submitted in partial fulfillment for the requirement award of degree of
BACHELOR OF TECHNOLOGY IN PETROCHEMICAL ENGINEERING

By

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**DESIGN AND SIMULATION OF A PLANT FOR
GASOLINE FROM METHANOL**

A project report submitted in partial fulfilment for the award of degree of

BACHELOR OF TECHNOLOGY

IN

PETROCHEMICAL ENGINEERING

By

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DESIGN AND SIMULATION OF ISOPROPANOL PLANT
A project report submitted in partial fulfilment for the award of degree of
BACHELOR OF TECHNOLOGY IN PETROCHEMICAL ENGINEERING

215

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PRODUCTION OF MOLNUPIRAVIR

A project report submitted in partial fulfilment for the award of degree of

BACHELOR OF TECHNOLOGY IN PETROCHEMICAL ENGINEERING

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HAZOP AND RISK ASSESSMENT OF ISOXABEN PLANT

A project report submitted in partial fulfilment for the award of degree of
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MANUFACTURE OF BIO-ETHANOL FROM BROKEN RICE

A project report submitted in partial fulfilment for the award of degree of
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**DESIGN OF A PLANT FOR LINEAR ALKYL BENZENE
SULFONATE**

A project report submitted in partial fulfillment for the award of degree of
**BACHELOR OF TECHNOLOGY IN PETROCHEMICAL
ENGINEERING**

219

By

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DESIGN AND SIMULATION OF CAPROLACTAM PLANT

A project report submitted in fulfilment for the award of degree of
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**DESIGN OF DEHYDRATION PLANT FOR FRUITS AND
VEGETABLES**

A project report submitted in fulfilment for the award of degree of
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KAKINADA
533003 2022**

DECLARATION


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**DESIGN A PLANT FOR EXTRACTION OF ESSENTIAL OILS FROM
TAMARIND LEAVES AND SEEDS**

*A project report submitted in partial fulfillment for the requirement award of degree of
BACHELOR OF TECHNOLOGY IN PETROCHEMICAL ENGINEERING*

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DESIGN AND SIMULATION OF DIMETHYL CARBONATE PLANT

A project report submitted in partial fulfilment for the award of degree of
BACHELOR OF TECHNOLOGY IN PETROCHEMICAL ENGINEERING

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202

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PRODUCTION OF CHLORINATED POLYVINYL CHLORIDE

A project report submitted in partial fulfilment for the award of degree of

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HAZOP AND RISK ASSESSMENT FOR STYRENE MONOMER PLANT

A project report submitted in partial fulfilment for the award of degree of
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DESIGN AND SIMULATION OF DIMETHYL ETHER PLANT

A project report submitted in partial fulfilment for the award of degree of

**BACHELOR OF TECHNOLOGY IN PETROCHEMICAL
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106

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DESIGN A PLANT FOR THE MANUFACTURE OF PLASTICIZERS

A project report submitted in partial fulfilment for the award of degree of
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PRODUCTION OF METHANOL FROM CARBONDIOXIDE

A project report submitted in partial fulfilment for the award of degree of

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PRODUCTION OF UREA USING CAPTIVE CARBON DIOXIDE

A project report submitted in partial fulfilment for the award of degree of
BACHELOR OF TECHNOLOGY IN PETROCHEMICAL ENGINEERING

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**DESIGN AND SIMULATION OF ALKYLATION PLANT FOR HIGH
OCTANE GASOLINES**

A project report submitted in fulfilment for the award of degree of
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By

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**DESIGNING A PLANT FOR MANUFACTURING
DIMETHYL ANILINE**

931

A project report submitted in fulfilment for the award of degree of
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DESIGN AND SIMULATION OF ETHYL BENZENE PLANT

A project report submitted in fulfilment for the award of degree of
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**PROCESS DESIGN FOR THE LARGE-SCALE PRODUCTION OF
GRAPHENE**

A project report submitted in fulfilment for the award of degree of
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233

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PRODUCTION OF FORMIC ACID FROM CARBON DIOXIDE

A project report submitted in partial fulfilment for the award of degree of

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934

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**DESIGN AND SIMULATION OF THE PLANT FOR XYLENE
ISOMERIZATION**

A project report submitted in fulfilment for the award of degree of

**BACHELOR OF TECHNOLOGY IN PETROCHEMICAL
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DEVELOPMENT OF PRODUCTS BASED ON MORINGA TREE

A project report submitted in fulfilment for the award of degree of

BACHELOR OF TECHNOLOGY IN PETROCHEMICAL ENGINEERING

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736

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**DESIGNING A PLANT FOR THE MANUFACTURE OF
OLEFINS FROM METHANOL**

A project report submitted in partial fulfilment for the award of degree of

**BACHELOR OF TECHNOLOGY
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737

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**PRODUCTION OF BIO-PESTICIDES FROM CUSTARD APPLE
SEEDS**

A project report submitted in partial fulfilment for the award of degree of
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738

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**DESIGNING A PLANT FOR CONVERTING LPG INTO
AROMATICS**

A project report submitted in partial fulfilment for the award of degree of
**BACHELOR OF TECHNOLOGY IN PETROCHEMICAL
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739

By

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DESIGN AND SIMULATION OF A PLANT FOR THE PRODUCTION OF BENZENE AND XYLENE FROM TOLUENE

*A project report submitted in partial fulfillment for the award of degree
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2022

**DESIGNING A PLANT FOR THE PRODUCTION OF OLEFINS
FROM THERMAL CRACKING OF WAX**
A project report submitted in partial fulfilment for the award of degree of
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DESIGN AND SIMULATION OF PURIFIED TEREPHTHALIC ACID PLANT

A project report submitted in partial fulfilment for the award of degree of
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DESIGN AND SIMULATION OF ACETONE PLANT

A project report submitted in fulfilment for the award of degree of
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DESIGN AND SIMULATION OF METHYL ACETATE PLANT

A Project report Submitted in partial fulfilment of the award of the degree

244

Bachelor of Technology in Petrochemical Engineering

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DESIGN AND SIMULATION OF PLANT FOR METHYLAMINES

A project report submitted in fulfilment for the award of degree of
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PRODUCTION OF LACTATE BASED BIODEGRADABLE POLYMERS

A project report submitted in partial fulfilment for the award of degree of
BACHELOR OF TECHNOLOGY
IN
PETROCHEMICAL ENGINEERING

By

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(18021A2538)

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Assistant Professor



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KAKINADA - 533003
2022**

246


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DESIGN AND SIMULATION OF 1,4-BUTANEDIOL

A project report submitted in partial fulfilment for the award of degree

of

**BACHELOR OF TECHNOLOGY IN PETROCHEMICAL
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**DESIGNING A PLANT FOR THE MANUFACTURE OF
PROPYLENE FROM METHANOL**

248

A project report submitted in fulfilment for the award of degree of
**BACHELOR OF TECHNOLOGY IN PETROCHEMICAL
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249

DESIGNING OF A PLANT FOR POLY METHYL METHACRYLATE

A project report submitted in partial fulfilment for the award of degree of

BACHELOR OF TECHNOLOGY IN PETROCHEMICAL ENGINEERING

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MANUFACTURE OF HEXANEDIOIC ACID FROM GLUCOSE

A Project report submitted in partial fulfilment of the award of the degree of
Bachelor of Technology in Petrochemical Engineering

By

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**DESIGN AND SIMULATION OF TETRAHYDROFURAN
DEHYDRATION PROCESS**

A project report submitted in partial fulfilment for the award of degree of

BACHELOR OF TECHNOLOGY IN PETROCHEMICAL ENGINEERING

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252

PRODUCTION OF IBUPROFEN USING GREEN PROCESS TECHNOLOGY

A project report submitted in partial fulfillment for the award of degree

Of

Bachelor of Technology in Petrochemical Engineering

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953

DESIGN AND PRODUCTION OF ACETALDEHYDE
A project report submitted in partial fulfilment for the award of degree of
BACHELOR OF TECHNOLOGY IN PETROCHEMICAL ENGINEERING

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DESIGN OF COMPRESSED BIOGAS PLANT

A project report submitted in fulfilment for the award of degree of

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254

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SUSTAINABLE PROCESS DESIGN FOR THE MANUFACTURE OF VINYL CHLORIDE MONOMER

A project report submitted in partial fulfillment for the requirement award of degree of
BACHELOR OF TECHNOLOGY IN PETROCHEMICAL ENGINEERING

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DESIGN AND SIMULATION OF ACRYLONITRILE

A project report submitted in partial fulfilment for the award of degree of

BACHELOR OF TECHNOLOGY IN PETROCHEMICAL ENGINEERING

By

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DESIGN AND SIMULATION OF ETHYLENE CARBONATE PLANT

A project report submitted in fulfilment for the award of degree of
**BACHELOR OF TECHNOLOGY IN PETROCHEMICAL
ENGINEERING**

252

By
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DESIGNING A PLANT FOR MANUFACTURING DIMETHYLHYDRAZINE

A project report submitted in fulfilment for the award of degree of

BACHELOR OF TECHNOLOGY IN PETROCHEMICAL ENGINEERING

By

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(19025A2551)

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Prof. K.V.RAO

Academic Advisor, Petroleum Courses



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PRODUCTION OF CHLORAMPHENICOL

*A project report submitted in partial fulfilment for the award of degree
of*

BACHELOR OF TECHNOLOGY IN PETROCHEMICAL ENGINEERING

159

By

**VARADA.V.S.SAI KRISHNA MALLIKESWAR
(19025A2553)**

Under the Guidance and Supervision of

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Assistant professor



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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
Kakinada-533003, Andhra Pradesh (India)

Projects

Program Code: 021A08

Program Name: B.Tech – Petrochemical Engineering

Year 2021-22

S.No	Student name	Project Title	Guide Name	Dates (Duration)	Organization Location
1	CherukuwadaTarunKumar	ProductionofOxalicAcidfrom Carbondioxide	Mr.P.AnilKumar	2021-22	Dept of PE &PCE, JNTUK, Kakinada
2	SaiVardhanSidagam	ProductionofDimethylFormamideusingCarbonDioxide	Mr.P.AnilKumar	2021-22	Dept of PE &PCE, JNTUK, Kakinada
3	RagathaUdayVenkataSatyaSaiTulasiram	ProductionofLemonGrassOil	Mr.M.Sreenivas	2021-22	Dept of PE &PCE, JNTUK, Kakinada
4	KakarapalliVarshitMuraliManohar	ProductionofSynthesisGasfromBiogas	Mr.M.Sreenivas	2021-22	Dept of PE &PCE, JNTUK, Kakinada
5	MohanNavyaChandran	DesignandSimulationofaPlantforGasolinefromMethanol	Ms.AlpithaSuhasinijuttuka	2021-22	Dept of PE &PCE, JNTUK, Kakinada
6	MadakamNavadeep	DesignandSimulationofIsopropanolPlant	Prof.K.V.Rao	2021-22	Dept of PE &PCE, JNTUK,

					Kakinada
7	SumaTata	ProductionofMolnupiravir	Ms.AlpithaSahasiniJuttuka	2021-22	Dept of PE &PCE, JNTUK, Kakinada
8	NarayanaSwamyMadisetty	HAZOPandRiskAssessmentforIsosabonPlant	Prof.K.V.Rao	2021-22	Dept of PE &PCE, JNTUK, Kakinada
9	SreepadaLalithaMeghana	ManufactureofBio-EthanolfromBrokenRice	Prof.K.V.Rao	2021-22	Dept of PE &PCE, JNTUK, Kakinada
10	SurampudiTriveniDurga	DesignofaPlantforLinearAlkylbenzeneSulphonate(LAS)	Ms.G.BhagyaMalleswari	2021-22	Dept of PE &PCE, JNTUK, Kakinada
11	BatchuPavanKalyan	DesignandSimulationofCaprolactamplant	Ms.G.BhagyaMalleswari	2021-22	Dept of PE &PCE, JNTUK, Kakinada
12	BojjaVenkataVinayRamaTeja	Designofadehydrationplantforfruitsandvegetables.	Dr.Sk.LiyakhathAhmed	2021-22	Dept of PE &PCE, JNTUK, Kakinada
13	KattuRohith	DesignofaplantforExtractionofEssentialOilsfromTamarind Leaves and Seeds	Dr.Sk.LiyakhathAhmed	2021-22	Dept of PE &PCE, JNTUK, Kakinada
14	RongaliManikantaKumar	DesignandSimulationofDimethylCarbonateplant	Prof.K.V.Rao	2021-22	Dept of PE &PCE, JNTUK, Kakinada
15	PallaSowmyaRavali	ProductionofChlorinatedPolyvinylchloride	Dr.RatnaSrinathRaoB	2021-22	Dept of PE &PCE, JNTUK, Kakinada
16	SunehaGonuguntla	HAZOPandRiskAssessmentforStyreneMonomerPlant	Prof.K.V.Rao	2021-22	Dept of PE &PCE,

					JNTUK, Kakinada
17	MandaLakshmiSaiSowmya	DesignandSimulationofDimethylEtherPlant	Dr.RatnaSrinathRaoB	2021-22	Dept of PE &PCE, JNTUK, Kakinada
18	MorthaAnusha	DesignaPlantfortheManufactureofPlasticizers	Mr.A.Ramesh	2021-22	Dept of PE &PCE, JNTUK, Kakinada
19	KorumilliManoharKumar	ProductionofMethanol fromCarbonDioxide	Ms. V. Sowjanya	2021-22	Dept of PE &PCE, JNTUK, Kakinada
20	MerugaSaiNaveenReddy	ProductionofUreaUsingCaptiveCarbonDioxide	Prof.K.V.Rao	2021-22	Dept of PE &PCE, JNTUK, Kakinada
21	ShaikSamienRaahhat	DesignandSimulationofAlkylolationplantforHighOctaneGas olines	Mr.N.Chandrasekhar	2021-22	Dept of PE &PCE, JNTUK, Kakinada
22	TatavarthiSaiPrasanthi	DesigningaPlantforManufacturingDimethylAniline	Mr.N.Chandrasekhar	2021-22	Dept of PE &PCE, JNTUK, Kakinada
23	MachaBadrinath	DesignandSimulationofEthylbenzenePlant	Ms.K.BabyJyothsna	2021-22	Dept of PE &PCE, JNTUK, Kakinada
24	EmaniLakshmiSusmitha	ProcessDesignfortheLargeScaleProductionGraphene	Ms.K.BabyJyothsna	2021-22	Dept of PE &PCE, JNTUK, Kakinada
25	YelakalaNiteesh	ProductionofFormicAcidfromCarbonDioxide	Ms. V. Sowjanya	2021-22	Dept of PE &PCE, JNTUK, Kakinada
26		DesignandSimulationofthePlantforXyleneIsomerization		2021-22	Dept of

	GeddangiSaiKiran		Mr.A.Ramesh		PE &PCE, JNTUK, Kakinada
27	AddankiKusumaKumari	DevelopmentofProductsbasedonMoringaTree	Prof.K.V.Rao	2021-22	Dept of PE &PCE, JNTUK, Kakinada
28	KinthaliCharishma	DesigningaplantfortheManufactureofOlefinsfromMethanol	Mr.P.AnilKumar	2021-22	Dept of PE &PCE, JNTUK, Kakinada
29	ShaikKhajaMubeena	ProductionofBio-pesticidesfromCustardAppleSeeds	Ms.AlpithaSuhasinijuttuka	2021-22	Dept of PE &PCE, JNTUK, Kakinada
30	PeethalaSojjwala	DesigningaPlantforConvertingLPGintoAromatics	Ms.G.BhagyaMalleswari	2021-22	Dept of PE &PCE, JNTUK, Kakinada
31	InagantiMrudula	DesignandSimulationofaPlantfortheProductionofBenzeneand Xylenesfrom Toluene	Dr.Sk.LiyakhathAhmed	2021-22	Dept of PE &PCE, JNTUK, Kakinada
32	VasamsettiRamyaKiranmai	DesigningaPlantforproductionofOlefinsfromthermalcrackingof Wax	Mr.N.Chandrasekhar	2021-22	Dept of PE &PCE, JNTUK, Kakinada
33	RajetiUendra	DesignandSimulationofPurifiedTerephthalicAcidPlant	Dr.RatnaSrinathRaoB	2021-22	Dept of PE &PCE, JNTUK, Kakinada
34	KadaliTanuja	DesignandSimulationofAcetonePlant	Prof.K.V.Rao	2021-22	Dept of PE &PCE, JNTUK, Kakinada
35	BoddepalliVasanthaMadhavi	DesignandSimulationofMethylAcetatePlant	Ms. V. Sowjanya	2021-22	Dept of PE &PCE, JNTUK, Kakinada

36	MattaSangharshKiran	DesignandSimulationofaPlantforMethylAmines	Mr.A.Ramesh	2021-22	Dept of PE &PCE, JNTUK, Kakinada
37	MutluriPrabhath	ProductionofLactatebasedbiodegradablePlastics	Mr.M.Sreenivas	2021-22	Dept of PE &PCE, JNTUK, Kakinada
38	JyostnaSodipilli	DesignandSimulationof1,4-Butenediol	Mr.P.AnilKumar	2021-22	Dept of PE &PCE, JNTUK, Kakinada
39	KorukondaRaveena	DesigningaPlantforthemanufactureofPropylenefromMethanol	Ms.K.BabyJyothsna	2021-22	Dept of PE &PCE, JNTUK, Kakinada
40	BuradaRahul	DesigningofaPlantforPolyMethylMethacrylate	Mr.M.Sreenivas	2021-22	Dept of PE &PCE, JNTUK, Kakinada
41	SiyadriVarshini	ProductionofhexanedioicacidfromGlucose	Mr.A.Ramesh	2021-22	Dept of PE &PCE, JNTUK, Kakinada
42	TamadaJeenus	DesignandSimulationofTetrahydrofuranDehydrationProcess	Mr.N.Chandrasekhar	2021-22	Dept of PE &PCE, JNTUK, Kakinada
43	DaramKeerthiSharon	ProductionofIbuprofenusingGreenProcessTechnology	Dr.Sk.LiyakhathAhmed	2021-22	Dept of PE &PCE, JNTUK, Kakinada
44	RonankiAnusha	DesigningofaplantforproductionofAcetaldehydeUsingDirect Oxidation ofEthylene	Dr.RatnaSrinathRaob	2021-22	Dept of PE &PCE, JNTUK, Kakinada
45	DasariMounika	DesigningofaCompressedBiogasPlant	Ms.K.BabyJyothsna	2021-22	Dept of PE &PCE, JNTUK,

46	Gandepalli Nagesh	Sustainable Process Design for the Manufacture of Vinyl Chloride Monomer	Ms. G. Bhagya Malleswari	2021-22	Kakinada Dept of PE & PCE, JNTUK, Kakinada
47	Chellapalli Manohar	Design and Simulation of Acrylonitrile Plant	Ms. Alptha Subhasini Jtuka	2021-22	Dept of PE & PCE, JNTUK, Kakinada
48	Malla Appalanaidu	Design and Simulation of Ethylene Carbonate Plant	Ms. G. Bhagya Malleswari	2021-22	Dept of PE & PCE, JNTUK, Kakinada
49	Mulaparthi Rajkumar	Designing a plant for Manufacturing Dimethyl Hydrazine	Prof. K. V. Rao	2021-22	Dept of PE & PCE, JNTUK, Kakinada
50	Varada V S Sai Krishna Mallikeswar	Production of Chloramphenicol	Ms. Alptha Subhasini Jtuka	2021-22	Dept of PE & PCE, JNTUK, Kakinada

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