VEL TECH HIGH TECH

DR.RANGARAJAN DR.SAKUNTHALA ENGINEERING COLLEGE

An Autonomous Institution

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DEPARTMENT OF CHEMICAL ENGINEERING

NPTEL CERTIFICATE CONSOLIDATION DETAILS

DEPT	YEAR	ENROLLED		REGISTERED		FACULTY/ STUDENT	CERTIFICATE DETAILS [2020-2021 To 2025-2026]				CERTIFICATES	TOTAL CERTIFICATES
		F	S	F	S		ELITE WITH GOLD	ELITE WITH SILVER	ELITE	SUCCESSFULLY COMPLETED		
CHEMICAL	20-21	-	-	-	-	FACULTY	-	-	-	-	-	-
						STUDENT	-	-	-	-	-	
	21-22	2	79	2	24	FACULTY	-	1	-	1	2	18
						STUDENT	-	2	3	11	16	
	22-23	5	125	5	78	FACULTY	-	3	-	2	5	53
						STUDENT	-	6	27	15	48	
	23-24	4	171	4	146	FACULTY	-	2	2	-	4	99
						STUDENT	-	6	51	38	95	
	24-25	5	117	1	97	FACULTY	-	1	2	4	7	111
						STUDENT	-	2	46	56	104	
	25-26	11	156	11	181	FACULTY	-	6	4	3	13	80
						STUDENT	-	12	25	30	67	
	GRAND TOTAL							41	160	160	361	361

FACULTY DETAILS

	COURSE NAME	ENROLLED/ REGISTERED	ELITE WITH GOLD	ELITE WITH SILVER	ELITE	SUCCESSFULLY COMPLETED	TOTAL CERTIFICATES
2020-2021 [ODD SEM]	-	-	-	-	-	-	-
	TOTAL						
2020-2021 [EVEN SEM]	-	-	-	-	-	-	-
	TOTAL	-	-	-	-	-	-
	GRAND TOTAL	-	-	-	-	-	-

STUDENT DETAILS

	COURSE NAME	ENROLLED / REGISTERED	ELITE WITH GOLD	ELITE WITH SILVER	ELITE	SUCCESSFULLY COMPLETED	TOTAL CERTIFICATES
2020-2021 [ODD SEM]	-	-	-	-	-	-	-
	TOTAL	-	-	-	-	-	-
2020-2021 [EVEN SEM]	-	-	-	-	-	-	-
	TOTAL	-	-	-	-	-	-
	GRAND TOTAL	-	-	-	-	-	-

With reference To NBA – SAR Guideline: Criteria No.9.4

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FACULTY DETAILS							
2021-2022 [Odd SEM]	COURSE NAME	ENROLLED / REGISTERED	ELITE WITH GOLD	ELITE WITH SILVER	ELITE	SUCCESSFULLY COMPLETED	TOTAL CERTIFICATES
	-	-	-	-	-	-	-
	TOTAL	-	-	-	-	-	-
2021-2022 [Even SEM]	Waste to Energy Conversion	2/2		1		1	2
	TOTAL	2/2	-	1	-	1	2
	GRAND TOTAL	2/2		1	-	1	2
STUDENT DETAILS							
2021-2022 [ODD SEM]	-	-	-	-	-	-	-
	TOTAL	-	-	-	-	-	-
	COURSE NAME	ENROLLED / REGISTERED	ELITE WITH GOLD	ELITE WITH SILVER	ELITE	SUCCESSFULLY COMPLETED	TOTAL CERTIFICATES
2021-2022 [EVEN SEM]	Aspen Plus Simulation Software – A Basic Course for Beginners	10/4	-	-	1	1	2
	Waste to Energy Conversion	20/9	-	1	-	6	7
	Fluid Flow Operations	5/1	-	-	1	-	1
	Soft Nano Technology	20/6	-	-	-	2	2
	Polymer Reaction Engineering	10/1	-	1	-	-	1
	Physico-Chemical Processes for Wastewater Treatment	10/2	-	-	-	2	2
	Introduction to Process Modeling in the Membrane Separation Process	4/1	-	-	1	-	1
	TOTAL	79/24	-	2	3	11	16
	GRAND TOTAL	79/24	-	2	3	11	16
FACULTY DETAILS							
2022-2023 [ODD SEM]	COURSE NAME	ENROLLED / REGISTERED	ELITE WITH GOLD	ELITE WITH SILVER	ELITE	SUCCESSFULLY COMPLETED	TOTAL CERTIFICATES
	-	-	-	-	-	-	-
	TOTAL	-	-	-	-	-	-

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2022-2023 [EVEN SEM]	Aspen Plus Simulation Software – A Basic Course for Beginners	3/3	-	2	-	1	3
	Biological Process Design for Wastewater Treatment	1/1	-	1	-	-	1
	Waste to Energy Conversion	1/1	-	-	-	1	1
	TOTAL	**5/5**	**-**	**2**	**-**	**1**	**5**
GRAND TOTAL		**5/5**	**-**	**3**	**-**	**2**	**5**

STUDENT DETAILS

	COURSE NAME	**ENROLLED / REGISTERED**	**ELITE WITH GOLD**	**ELITE WITH SILVER**	**ELITE**	**SUCCESSFULLY COMPLETED**	**TOTAL CERTIFICATES**
2022-2023 [ODD SEM]	Equipment Design: Mechanical Aspects	20/5	-	-	2	1	3
	Hydrogen Energy : Production, Storage, Transportation and Safety	10/4	-	-	4	-	4
	Aspen Plus Simulation Software – A Basic Course for Beginners	10/4	-	1	-	1	2
	Soil Fertility and Fertilizers	9/1	-	-	1	-	1
	Principles and Practices of Process Equipment and Plant Design	3/1	-	-	1	-	1
	Chemical Process Safety	1/1	-	-	1	-	1
	TOTAL	**53/16**	**-**	**1**	**9**	**2**	**12**
2022-2023 [EVEN SEM]	Biological Process Design for Wastewater Treatment	42/34	-	4	13	7	24
	Waste to Energy Conversion	27/16	-	-	3	3	6
	Aspen Plus Simulation Software – A Basic Course for Beginners	3/12	-	1	2	3	6
	TOTAL	**72/62**	**-**	**5**	**18**	**13**	**36**
GRAND TOTAL		**125/78**	**-**	**6**	**27**	**13**	**48**

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	COURSE NAME	ENROLLED / REGISTERED	ELITE WITH GOLD	ELITE WITH SILVER	ELITE	SUCCESSFULLY COMPLETED	TOTAL CERTIFICATES
FACULTY DETAILS							
2023-2024 [ODD SEM]	-	-	-	-	-	-	-
	TOTAL	**-**	**-**	**-**	**-**	**-**	**-**
2023-2024 [EVEN SEM]	Biological Process Design for Wastewater Treatment	1/1	-	-	1	-	1
	Waste to Energy Conversion	2/2	-	1	1	-	2
	Biomass Conversion and Biorefinery	1/1	-	1		-	1
	TOTAL	**4/4**	**-**	**2**	**2**	**-**	**4**
	GRAND TOTAL	**4/4**	**-**	**2**	**2**	**-**	**4**
STUDENT DETAILS							
2023-2024 [ODD SEM]	Basic Environmental Engineering and Pollution Abatement	65/61	-	3	30	16	49
	Aspen Plus Simulation Software – A Basic Course for Beginners	39/24	-	1	1	2	4
	Polymer Process Engineering	1/1	-	-	-	1	1
	Hydrogen Energy : Production, Storage, Transportation and Safety	1/1	-	-	-	1	1
	TOTAL	**106/87**		**4**	**31**	**20**	**55**
2023-2024 [EVEN SEM]	Waste to Energy Conversion	55/55	-	2	18	17	37
	Membrane Technology	5/2	-	-	1	-	1
	Biomass Conversion and Biorefinery	4/1	-	-	1	-	1
	Environmental Quality Monitoring & Analysis	1/1	-	-	-	1	1
	TOTAL	**65/59**	**-**	**2**	**20**	**18**	**40**
	GRAND TOTAL	**171/146**	**-**	**6**	**51**	**38**	**95**

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	COURSE NAME	ENROLLED / REGISTERED	ELITE WITH GOLD	ELITE WITH SILVER	ELITE	SUCCESSFULLY COMPLETED	TOTAL CERTIFICATES
FACULTY DETAILS							
2024-2025 [ODD SEM]	Basic Environmental Engineering and Pollution abatement	6/1	-	-	1	-	1
	TOTAL	**6/1**	**-**	**-**	**1**	**-**	**1**
2024-2025 [EVEN SEM]	Advanced Thermodynamics	1/1			1		
	Food Science and Technology	1/1				1	
	Waste to Energy Conversion	2/2		1		1	
	Biomass Conversion and Biorefinery	2/2				2	
	TOTAL	**6/6**	**-**	**1**	**1**	**4**	**6**
GRAND TOTAL		**12/7**	**-**	**1**	**2**	**4**	**7**
STUDENT DETAILS							
2024-2025 [ODD SEM]	Basic Environmental Engineering and Pollution abatement	52/49	-	-	8	18	26
	Hydrogen Energy: Production, Storage, Transportation and Safety	41/38	-	-	1	16	17
	Thermal Processing of Foods	4/2	-	-	1	1	2
	Aspen Plus Simulation Software – A Basic Course for Beginners	15/7	-	1	5	1	7
	Energy Conversion Technologies(Biomass and Coal)	5/1	-	-	-	1	1
	TOTAL	**117/97**	**-**	**1**	**15**	**37**	**53**
2024-2025 [EVEN SEM]	Waste to Energy Conversion	56/50		1	28	13	42
	Biomass Conversion and Biorefinery	11/5			1	1	2
	Aspen Plus Simulation Software – A Basic Course for Beginners	30/17			2	5	7
	TOTAL	**97/72**	**-**	**1**	**31**	**19**	**51**
GRAND TOTAL		**214/169**	**-**	**2**	**46**	**56**	**104**

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FACULTY DETAILS							
	COURSE NAME	**ENROLLED / REGISTERED**	**ELITE WITH GOLD**	**ELITE WITH SILVER**	**ELITE**	**SUCCESSFULLY COMPLETED**	**TOTAL CERTIFICATES**
2025-2026 [ODD SEM]	OBE and Accreditation	1/1	-	1	-	-	1
	Chemical Process Safety	1/1	-	1	-	-	1
	Engineering Aspects of Biofuels and Biomass Conversion	1/1	-	1	-	-	1
	Environmental Nanotechnology and Applications	1/1	-	-	1	-	1
	Hydrogen Energy: Production, Storage, Transportation and Safety	6/6	-	-	1	1	2
	Natural Gas Engineering	1/1	-	-	-	1	1
	TOTAL	**11/11**	**-**	**3**	**2**	**2**	**7**
2025-2026 [EVEN SEM]	Fundamental of Carbon Capture, Utilization and Storage	1/1	-	1	-	-	1
	Biomass Conversion and Biorefinery	2/2	-	2	-	-	2
	Physico-Chemical Processes for Wastewater Treatment	2/2	-	-	2	-	2
	Introduction To Process Modeling in The Membrane Separation Process	1/1	-	-	-	1	1
		6/6	**-**	**3**	**2**	**1**	**6**
GRAND TOTAL		**17/17**	**-**	**6**	**4**	**3**	**13**
STUDENT DETAILS							
	COURSE NAME	**ENROLLED / REGISTERED**	**ELITE WITH GOLD**	**ELITE WITH SILVER**	**ELITE**	**SUCCESSFULLY COMPLETED**	**TOTAL CERTIFICATES**
2025-2026 [ODD SEM]	Basic Environmental Engineering and Pollution abatement	35/20	-	-	3	4	7
	Hydrogen Energy: Production, Storage, Transportation and Safety	26/15	-	-	2	4	6
	Aspen Plus Simulation Software – A Basic Course for Beginners	63/45	-	-	-	1	1

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	Energy Conversion Technologies (Biomass and Coal)	16/19	-	-	1	9	10
	Nanotechnology in Chemical Engineering	11/7	-	-	-	1	1
	Chemical Process Safety	5/5	-	2	1	-	3
	TOTAL	**156/111**	**-**	**2**	**7**	**19**	**28**
2025-2026 [EVEN SEM]	Fundamental of Carbon Capture, Utilization and Storage	27/27		6	1		7
	Biomass Conversion and Biorefinery	25/25		4	12	4	20
	Aspen Plus Simulation Software- A Basic Course for Beginners	18/18			5	7	12
		70/70		10			
GRAND TOTAL		**226/180**	**-**	**2**	**7**	**19**	**28**
OVERALL GRAND TOTAL			**-**	**27**	**140**	**147**	**314**

DEPT COORDINATOR **HoD** **DEAN (T&P)** **DEAN-ACADEMICS** **PRINCIPAL**