



Koneru Lakshmaiah Education Foundation

(Category -1, Deemed to be University estd. u/s. 3 of the UGC Act, 1956)

Accredited by NAAC as 'A++' ♦ Approved by AICTE ♦ ISO 21001:2018 Certified

Campus: Green Fields, Vaddeswaram - 522 302, Guntur District, Andhra Pradesh, INDIA.

Phone No. +91 8645 - 350 200; www.klef.ac.in; www.klef.edu.in; www.kluniversity.in

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Ref: KLEF/HOD-EEE/2018-19

Date: 25-02-2019

CIRCULAR

Sub: Conduction of "Industrial Visit" by Department of EEE, KLEF – Reg.

Ref: Letter dated 25.02.2019 from Dr.S.V.N.L. Lalitha, Professor, EEE, forwarded by HoD-EEE.

This is to inform that Department of EEE, KLEF, in association with IEEE Guntur Subsection is conducting a "Industrial Visit" for the benefit of faculty members and students as per the details given below.

Name of Industry: M/S JocilPvt Ltd.

**Dates of Visit: 27th Feb 2019 (50 Students)
28th Feb 2019 (50 Students)**


Timings: 2PM to 5 PM

Faculty Coordinators:

Dr.S.V.N.L. Lalitha, Professor, EEE Department, K L E F

Mr,S.Raja Sekhar Asst. Professor, EEE Department, K L E F

In this regard, the Head of the Department encourage the faculty, students and research scholars to participate and get maximum benefit out of this.


Professor & Head
Department of EEE
KLEF Deemed to be University
Green Fields, Vaddeswaram,
GUNTUR DL., A.P - 522 502



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KLEF/ EEE/ IQAC - ACAD/ AQ.13/ Details of Professional Society Activities conducted (including Research clubs)-Report

28thFeb 2019

Name of Industry: M/S JocilPvt Ltd.

Dates of Visit: 27th Feb 2019 (Section 1) & 28th Feb 2019 (Section 2)

Total No. of Student: 100(UG)

Total No. of Faculty: 5

Faculty Coordinator: Mr. S Rajasekhar, Mrs. D Sudha, Mr T Vijay Muni, Mr. D Kalyan, Mr. K P Prasad Rao.

As a part of the IEEE event, EEE department has arranged an industrial visit of M/S Jocil Pvt. Ltd., Guntur for third year UG students and faculty members of department. The visit was organized with the prior permission and guidance of Head of Electrical Engineering Department, Dr. K Narasimha Raju.



Introduction:

Jocil Limited is engaged in the manufacture of stearic acid, fatty acids, refined glycerin, soap noodles, toilet soap, and industrial oxygen and in the generation of power from biomass and wind. The Company's segments include Chemicals, Soap and Power. The Chemicals segment includes fatty acids. The Soap segment includes toilet soap and soap products. The Power segment includes the power generated by biomass power plant and wind energy generator (WEG). Its businesses include oleo chemicals, soap and contract manufacturing. The oleo chemicals business includes distilled fatty acids, fractionated fatty acid and refined glycerin. Its distilled fatty acids are manufactured from vegetables oils, such as palm kernel oil and rice bran oil. Its fractionated products include Caprylic, Caprice, Lauric, Myristic, Palmitic, Stearic, Oleic, Erucic and combination of these fractions. Its stearic acid flakes are used in pharmaceuticals, cosmetics, textiles, paints, plastics, tires and other industries.

History:

Jocil was incorporated in 1978 as Andhra Pradesh Oil and Chemical Industries. The company's product portfolio includes stearic acid flakes, fatty acids, toilet soaps, soap noodles and glycerine.

These products have applications in area of pharmaceuticals, cosmetics, textiles, paints, plastics, tyres, tread rubber, Metal Polish and other industries. The company has clientele namely HUL, Henkel, Johnson & Johnson, Reckitt Benckiser, Jyothy Laboratories, Emami, BASF, Birla Tyres, Claraint, Berger Paints, Sun Pharmaceutical and MRF Tyres.

Jocil has a manufacturing capacity of 67,500 TPA (fatty acids), 1,800 TPA (glycerine) and 25,000 TPA (soaps). Based at Dokiparru, the company also has a captive power plant with 6 MW capacity.



Basic Information

Nature of Business	Exporter
Additional Business	Manufacturer
Company CEO	Krishna Prasad
Year of Establishment	1978
Legal Status of Firm	Public Limited Company

Andhra Sugars (Parent Company)

Andhra Sugars has business interests in organic and inorganic chemicals, edible and non-edible vegetable oils and non-conventional power generation.

It is engaged in manufacturing and marketing of sugar, chemicals such as caustic soda, acetic acid, industrial alcohol, sulphuric acid, hydro chloric acid, sulphur trioxide and aspirin.



Milestones

1978– The company was incorporated as Andhra Pradesh Oil and Chemical Industries.

1982– The company was renamed as Jayalakshmi Oil and Chemical Industries.

1988– The company became subsidiary of Andhra Sugars (ASL) on 27 October 1988.

1992– The company was renamed as Jocil.

2001–The company set up a 6 MW biomass co-generation power plant to meet captive requirements of steam and power.

2003– The company celebrated 25 year of experience in field of manufacturing of stearic acid flakes, fatty acids, toilet soaps, soap noodles and glycerine.

2004– The company received ISO 9001:2000 Certification by DNV for quality management.

2005 – Ventured into Wind energy.

2009 – Wind farm is registered as CDM Project with UNFCCC in Year 2009.
2010 – ISO 9001:2008 Certification by DNV

Production:

Soap segment:

Adapting Latest Technologies

... High Pressure Fat Splitting Plant.

... Fatty Acid Fractionation Plant

... Sweet Water Evaporation Plant

... Fully Automated & Centralised Control System

... Proven Technologies of Gianazza, Sulzer and CMB

... Equipped with Facilities/ Plants to Process Different Oils at a time.



Plant Control through DeltaV Distributed Control System

... Supplied by Emerson Process Management.

... Advanced Diagnostics & Process Performance Monitoring

... Remote Calibration and Diagnostics of Field Instruments

... Uses latest Foundation Fieldbus & HART Field Instruments



Vacuum spray drying



Quality control

Toilet soap:

- 3 lines to Manufacture 3 different brands at a time
- Adequate, Segregated and Safe Storage.
- Pressurized working area for dust free hygienic environment.
- PLC based controls.
- Imported equipment for critical areas.
- Vast Experience in manufacture of Soaps and Soap Products



Boiler



Finishing



Stamping M/C

Wrapping machines

Power segment:

The Power segment includes the power generated by biomass power plant and wind energy generator (WEG).

Biomass power plant:

The most common types of boilers are hot water boilers and steam boilers. Wood chips, residues and other types of biomass are used in the boilers, in the same way as coal, natural gas and oil.

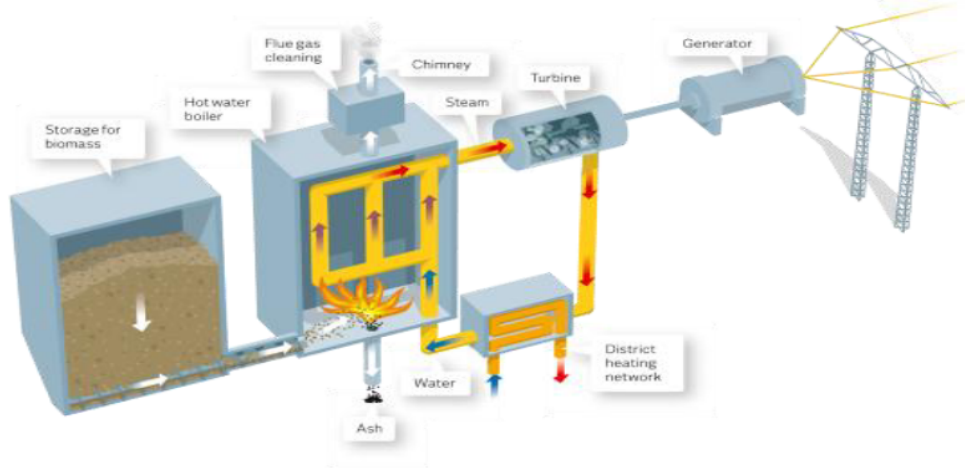
Coal plants can be made suitable to replace part of the coal by biomass or even to convert fully to biomass – turning a coal plant into a 100% renewable energy plant.



Biomass used for electricity generation

Forest products – Woody biomass from multi-functional forests constitutes the majority of today's biomass. Pellets and briquettes are manufactured by compressing by-products from the forestry industry, such as sawdust, bark or small diameter wood. They are easy to transport and therefore suitable for export.

Waste, by-products and residues – Residues include manure, sewage, sludge and other degradable waste. Liquid biomass waste, such as manure, household waste and sewage plant residues, can be digested to biogas.



Waste and byproducts

Energy crops - Energy crops are not used on a large scale for electricity or heat production today. As demand for sustainable biomass increases over time, such energy crops may play a more important role in the future.

Especially with the use of energy crops, it is important to ensure these plantations are established and managed in a sustainable manner.



Electrolyzer

The generation of electricity with biomass produces flue gases that must be cleaned before they are emitted into the atmosphere. This is done by utilizing well-developed techniques such as flue gas washing and particulate filters.

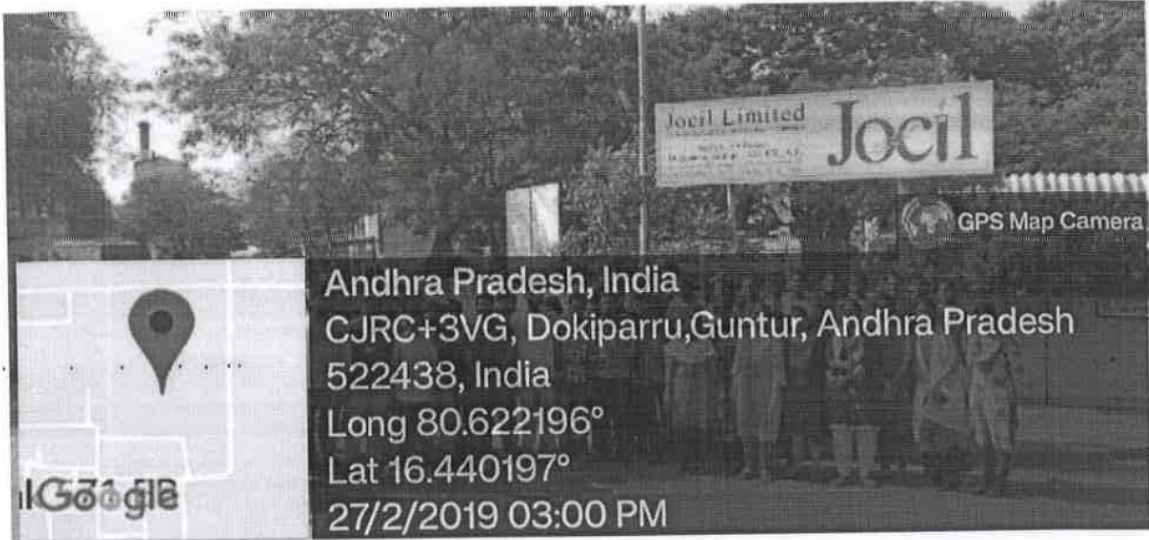


Control set - Esp



Boilers

DM Plant



Section-1 Picture at company on 27th Feb 2019



Section-2 Picture at company on 28th Feb 2019

S. Rajasekar
 Professional Society Activity I/C
 Mr. S Rajasekhar

K.N. Narasimha Raju
 HOD EEE
 Professor & Head
 Department of EEE
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28/2/2019.

S.NO	ID NO	Name of the student	Signature
1	150060111	Akurati Satya Pranav	Satya Pranav
2	150060112	SRIKAKOLAPU ABHISHEK KUMAR	A. Kumar
3	160060001	AKULA HRUDAY SAI	A. Hruday Sai
4	160060002	AKURATHI VELANGINI RAJU	A. Raju
5	160060003	ALAMURU KRISHNA PRIYANKA	Krishna Priyanka
6	160060004	ALLU SANTHOSH REDDY	Allu Reddy
7	160060005	AMBULA MADHURI	A. Madhuri
8	160060006	ANAM AKHILA	A. Madhuri
9	160060007	ANNA AMARA SRINIVAS	Anna Srinivas
10	160060008	ANNEPU CHINNA RAO	Chinna
11	160060009	ANUSHA MERUGU	A. Merugu
12	160060010	ARIKATLA LEELA LEELA KAVINDRA SARMA	A. Leela
13	160060011	ARYASOMAYAJULA SIRISHA	A. Sirisha
14	160060012	BHATTIPROLU SAI GARGEYA	B. Sai
15	160060013	ESWAR REDDY BHIMAVARAPU	Eswar Reddy. B.
16	160060014	BONAMSETTI MADHU	B. Madhu
17	160060015	BOYINA KANAKA RAJA ASISH	B. Kanaka Raja
18	160060016	C AKSHAY KUMAR	C. Akshay
19	160060017	CHAPPIDI KIRAN MANIKANTA	C. Teja
20	160060018	CHARAN TEJA KAMINENI	Kamineni
21	160060019	CHEEDIPUDI SAMYUKTHA REDDY	C. Reddy
22	160060020	CHEKKA LAKSHMI DURGA	Durga
23	160060021	CHINTALAPUDI N V M SAI TEJA	N. Teja
24	160060022	CHUKKAPALLI T SAI REVANTH BABA	C. Sai
25	160060025	DASIREDDY NAGA ABHILASH REDDY	D. Naga Abhilash
26	160060026	DHAKUPATI TARAKA RAMA	D. Rama
27	160060027	DUDDUKURI SWATHI	D. Swathi
28	160060028	DUNGA CHETAN SRINIVAS RAO	D. Chethan
29	160060029	G SESHASAI SRIKAR	G. Seshasai
30	160060030	GADDAM NITHIN	Nithin
31	160060031	GANDIKOTA SAI NIKHEEL	G. Sai
32	160060032	GARLAPATI D V N S L KUMAR	D. V. N. S. L. Kumar
33	160060033	GOLLAPALLI HARSHA NIKHANJ	H. Harsha
34	160060034	GORANTLA KOTESWARA RAO	G. Koteswara Rao
35	160060036	GRANDHI LAKSHMI NARAYANA	G. Lakshmi Narayana
36	160060037	GUDAVALLI HARISH	G. Harish
37	160060039	GUDURU GANESH	G. Ganesh
38	160060040	GUMMA MOWNIKA	G. Mownika
39	160060041	YAMUNA GUNTAMUKKALA	Y. Guntamukkala
40	160060042	GURIJALA CHAITANYA	Chaitanya
41	160060043	H HAKINATH REDDY	H. Hakinath
42	160060044	INAKOLLU MANOJ KUMAR	I. Manoj Kumar
43	160060045	JANDHYALA SAI SRIVIDYA	J. Sai
44	160060046	JATHI NAVEEN YADAV	J. Naveen
45	160060047	JONNALA BHAVYA	J. Bhavya
46	160060048	KALLA SASI KUMAR REDDY	K. Sasi Kumar
47	160060049	KANIGOLLA YASWANTH SAI	K. Sai
48	160060050	KAPUGANTI VENKATA KIRAN KUMAR	K. Kiran Kumar
49	160060052	KARIMULLA BAIG	K. Baig

50	160060053	KARNATI MANOJ KUMAR	Manoj Kumar.
51	160060054	KARRI VINAY SUDHEER	K. Vinay
52	160060055	KASUKURTHI RAVI KIRAN	Kiran
53	160060056	SWATHI AMMU	Ammu
54	160060057	KATURI KEERTHI	Keerthi
55	160060058	KOLLI SRISAI SUDHAKAR REDDY	Sudhakar Reddy.
56	160060060	KORABOYINA ANIL KUMAR	K. Anil
57	160060061	KOTA LAKSHMI AMRUTHA VARSHINI	Varshini
58	160060062	KOTAPATI SUBHASH REDDY	K. Subhash
59	160060063	KOTHA PRUDHVI RAJ	Prudhvi...
60	160060064	KUCHI SUMANTH	K. Prudhvi
61	160060065	KUPPALA MURALI KRISHNA	K. Murali
62	160060066	L VARUN CHOWDARY	L. Varun
63	160060067	Komal Sai Manohar Lanka	Sai Manohar Lanka
64	160060068	LOURDHU MARY THUMMA	L. Mary
65	160060069	M S V RAHUL KARTHIK	Rahul Karthik
66	160060071	MANIPATRUNI JASVANTH	Jasvanth
67	160060073	MANNAM NIKHITHA	Nikhitha
68	160060074	MARAM BALA BHAGYA SREE	← AB → Rishika
69	160060075	MATHI VENKATA RISHIKA	Rishika
70	160060077	MEDIPALLY SUDAKSHINA	Sudakshina
71	160060078	MOHAMMED ABDUL AHAD	Abdul Ahad
72	160060079	MORUBOINA PRAVALLIKA	Pravallika
73	160060080	MUKTINENI BHARGAV SAI	Bhargavi
74	160060081	MULA JAGADEESWARA REDDY	Jagadeeswar
75	160060082	MULLAPUDI NITIN VISWANATH	M. Nitin
76	160060083	MUSKULA CHAKRADHAR REDDY	Chakradhar Reddy
77	160060084	NAMBURI CHANDU SRINIVASA MANIKANTHA SURYA	N. Chandu
78	160060085	NUTHANAPATI LIKITHA	Likitha
79	160060086	ORUGANTI SAI THARUN	O. Sai Tharun
80	160060087	P GANESH	Pranesh
81	160060088	PADIDADAKALA ANIL KUMAR	Anil Kumar
82	160060089	PAIDIPATI POORNA ANJANA KUMARI	Purnima
83	160060090	PALLA NARASIMHA MURTHY	Murthy
84	160060091	PAMIDIMUKKULA DHARANI	P. Dharam
85	160060092	PANGI SRAVYA	Pravya
86	160060093	PATAN NOORSHIBA	P. Noorshiba
87	160060094	PATHAN SHABNAM	Shabnam
88	160060096	PEDDISSETY SARATH NAGA SAI RAM	P. Shabnam
89	160060097	PENMATSASWATHI	Pravathi
90	160060098	PINNINTI ARCHANA	Archana
91	160060099	POCHANA LOKESWAR REDDY	Lokeshwar Reddy
92	160060102	POLISETTI NIKHIL	← AB →
93	160060103	PUGGALA VISWA TEJA	P. Viswa
94	160060104	PULAKHANDAM ADITHYA SESA SAI KRISHNA	Sai Krishna
95	160060106	PUNYAMURTHULA VENKATA SRI SIVANI	Sivani
96	160060108	RAYAPEDDI NARASIMHA PHANIDHAR SAI ANIRUDH	Anirudh
97	160060109	REDDY MADHAVI	Madhavi
98	160060110	REDDY SAI CHANDAN	Chandan
99	160060111	RELANGI BHARGAVI VENKATA RAMYA	Ramya
100	160060112	RESU GOWTHAM SAI	Gowtham

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