Best Practice 1

Title of the Practice

Training and Campus Placement Cell

Objectives of the Practice

- To promote rural students' employability.
- To provide comprehensive services in the areas of training, options regarding higher Studies, internships, and full-time placements for undergraduate students.
- To train the students in communication skills, C and Java programming, soft skills, Arithmetic, and reasoning along with regular courses.
- To invite various organizations to the campus.
- To give wide publicity for campus selections

The Context

The Training and Campus Placement Cell is a body within SPACES, a degree college, that is responsible for organizing and managing the recruitment process for undergraduates. It is responsible for connecting employers with students, providing career guidance and advice, and helping students prepare for job interviews. The faculty from the various departments take additional classes to mold the students so that they fit the organization by teaching them about work culture and work ethics.

The college arranges interaction between the students and industry by organizing seminars and workshops.

The Practice

The Training and Placement Cell (TPC) is a unique feature of Indian higher education. It is a dedicated unit within the college that is responsible for providing students with the necessary skills and knowledge to secure employment after graduation. The TPC works closely with employers to identify job opportunities and match students with suitable positions. It also provides career guidance and advice to students, helping them make informed decisions about their future. The TPC is unique in that it provides a platform for students to interact with potential employers and gain valuable insights into the job market. It also helps to bridge the gap between the academic and professional worlds, allowing students to gain practical experience and develop their skills.

The limitations of the TPC are that it is often limited in its resources and capacity. It is also difficult to ensure that all students have access to the same opportunities, as some may be more privileged than others. Additionally, the TPC may not always be able to provide the most up-to-date information about the job market, as it is often reliant on the employers themselves for this information.

Evidence of Success

On campus recruitment in the year 2018-2022

TCS, EMPHASIS, MIRACLE, LTI, ICICI- PRUDENTIAL, CAP GEMINI, ACCENTURE, DXC TECHNOLOGIES, WIPRO, DR. REDDY LABS, MRF, BIOCON, HETERO, EPISOURCE, DIVIS.

Problems Encountered and Resources Required

- English communication skills
- To build strong connections with the alumni, interaction with alumni working in different industries should be maintained by conducting regular alumni meets.
- It needs to motivate students by educating them on the importance of industry awareness and the safety precautions to be taken during industrial tours and internships.

DETAILS OF PLACEMENTS FOR A-Y 2017-2018			
S.No.	**Name of student placed**	**Program graduated**	**Name of the Employer**
1	ANURADHA YELLAPU	III MPCS	INFOSYS
2	CH RAVI TEJA	III MCCS	INFOSYS
3	ASWINI ATCHA	III MPCS	WIPRO
4	BOLLAM MAHESWARI	III MPCS	WIPRO
5	PYDA SINDHUJA	III MPCS	WIPRO
6	SAFIYA BEGUM MAHAMMAD	III MCCS	WIPRO
7	SRIJYOTHI EEDARADA	III MCCS	WIPRO
8	V KRANTHI	III MPCS	WIPRO
9	JARUGU RAMYA	III MPCS	TCS
10	ROKKALA DURGA BHAVANI	III MPCS	TCS
11	Vimal kanth Korasala	III MPCS	DXE

DETAILS OF PLACEMENTS FOR A-Y 2018-2019

S.No.	Name of student placed	Program graduated	Name of the Employer
1	K BINDU LATHA	III MCCS	INFOSYS
2	B JAGADEERWARI	III MPCS	CAPGEMINI
3	B PADMA SREE	III MCCS	CAPGEMINI
4	S LALITHA SAI DEVI	III MPCS	CAPGEMINI
5	CHAYA PRIYANKA MANEPALLI	III MPCS	INFOSYS
6	M GOWRI PARVATHI	III MCCS	INFOSYS
7	N CHINNI	III MPCS	INFOSYS
8	A KAMAKSHI RATNASRI	III MPCS	TCS
9	B DHANA LAKSHMI	III MPCS	TCS
10	CH RADHA KRISHNA VAMSI	III MECS	TCS
11	SRI CHANDANA GARAGA	III MPCS	TCS
12	A RAGHU BABU	III MPCS	WIPRO
13	E V D T S L PRASANNA	III MECS	WIPRO
14	K L JAGADEESWARI	III MPCS	WIPRO
15	K N L MRUDULA	III MPCS	WIPRO
16	K YESWANTH GUPTHA	III MPCS	WIPRO
17	SURYA MANIKANTA CHARI GUNDUMALLA	III MPCS	INFOSYS
18	KURAMDASU LIKHITHA	III MECS	TECH MAHINDRA
19	SIVA KOTESWARA RAO YALAMANCHILI	III MCCS	AugurCyberX
20	SURYA MANIKANTA KEERTHI	III MPCS	INFOSYS
21	DINAKARA SITA RAMUDU ONUMULA	III MPCS	TCS
22	GONDU RAGA MADHAVI	III MECS	HDFC
23	P KASI VISWANTH	III BIOTECH	PAREXEL
24	SAMANA JANAKIRAM	III MPCS	INFOSYS
25	PRATIBHA BHARATHI MAMIDI	III MPCS	webhelp
26	KETHAVARAPU BHEMA VYSAKH	III MPCS	INFOSYS

DETAILS OF PLACEMENTS FOR A-Y 2019-2020

S.No.	Name of student placed	Program graduated	Name of the Employer
1	SALUGU PRIYANKA	MPCS	WIPRO
2	V SRI SRAVYA	MPCS	WIPRO
3	T K N L V D A DORA	MPC	WIPRO
4	U SAI BHAGAVAN	MPC	WIPRO
5	K DHARNI	MPCS	INFOSYS
6	D RESHMA RANI	MPCS	INFOSYS
7	P USHA NAGA SANTHOSHI	MPCS	INFOSYS
8	T RENUKA	MPCS	INFOSYS
9	M VALLI RAJESWARI	MPCS	INFOSYS
10	UMA DEVI MAMIDI	MPCS	WIPRO
11	ANURADHA GOLLA	MPCS	INFOSYS
12	YASASWINI DEVULAPALLI	MECS	INFOSYS
13	CHINNA NOOKA RAJU NAIDU GADI	MPCS	TCS
14	ARUNA SRI SIGIREDDY	MPCS	COGNIZANT
15	BONDILI VESS LAKSHMI PAVANI	MPCS	TCS
16	PUDALLAPARTHI NIKHILA	MPCS	WIPRO
17	NAGAMANI KOTHAVELA	MPCS	COGNIZANT
18	CH SAI SANTHOSH	MPCS	TCS
19	Y VAMSI	MECS	TCS
20	P DINESH	MCCS	WIPRO
21	S SHANMUK	MCCS	WIPRO
22	MD FEROZ KHAN	MCCS	INFOSYS
23	G RAJESH	MCCS	WIPRO
24	KORUPROLU VENKATA SIVA SAI SURYA LOHITH	MCCS	INFOSYS
25	D KIRAN MOULI	MCCS	COGNIZANT
26	U SIRISHA	MECS	COGNIZANT
27	KOTIPALLI VIJAY VANI	MECS	COGNIZANT
28	BOSALA ANJALI	MCCS	INFOSYS
29	SHAFFYA BAIG	MPCS	ICCI
30	Dwivedula Kusuma	MECS	WIPRO

DETAILS OF PLACEMENTS FOR A-Y 2020-2021			
S.No.	**Name of student placed**	**Program graduated**	**Name of the Employer**
1	P SATYA VINAY	III MECS	ACCENTURE
2	CH RAMYA AMMANI	III MPCS	COGNIZANT
3	DANDEM ABHIGNA	III MPCS	COGNIZANT
4	KONA ANIL	III MECS	COGNIZANT
5	SRI SAI SARANYA ADAPA	III MPCS	INFOSYS
6	B NEHA	III MPC	INFOSYS
7	B TEJASWINI	III MPCS	INFOSYS
8	BATTULA SUREKA	III MPCS	INFOSYS
9	CH SAI PRASANNA	III MPCS	INFOSYS
10	D SAI SREE	III MPCS	INFOSYS
11	DANDEM ABHIGNA	III MPCS	INFOSYS
12	ALEKYA DEVAVARAPU	III MPCS	INFOSYS
13	DENDUKURI RAJAYALAKSHMI	III MPC	INFOSYS
14	G ANANTHA LAKSHMI SATYAVATHI	III MPCS	INFOSYS
15	K AKSHOBYA	III MPCS	INFOSYS
16	K GANGA BHAVANI	III MPCS	INFOSYS
17	KALLA DIVYA	III MPCS	INFOSYS
18	KATTUMURI GOWTHAMI PRIYA	III MCCS	INFOSYS
19	LINGAMPALLI HEMASHANKAR	III MPC	INFOSYS
20	Md. ZEENATH ROOHI	III MPCS	INFOSYS

21	NUNNA REVATHI	III MPCS	INFOSYS
22	D SUGUNA MADHURI	III MPCS	INFOSYS
23	POLISETTI SIVASREE	III MPCS	INFOSYS
24	S DURGA PRASAD	III MCCS	INFOSYS
25	POLLAM DURGA SHAMBHAVI	III MPCS	INFOSYS
26	T ANUSHA	III MPC	INFOSYS
27	TUMMALA LAKSHMI LAYA	III MCCS	INFOSYS
28	KURRA PRAVEEN	III MCCS	MINDTREE
29	B PAVAN KALYAN	III MPC	MRF
30	K RAMESH	III MPC	MRF
31	DADI DIVYA	III MCCS	TCS
32	A UMA MAHESWARI	III MPC	TCS
33	P ANUSHA	III MPCS	TCS
34	D BHUVANESWARI	III MCCS	TCS
35	D SUKANYA	III MCCS	TCS
36	DEVU SWATHI DEVIKA	III MCCS	TCS
37	P L P KAMESWARI	III MPCS	TCS
38	K P V S SUREKHA	III MPCS	TCS
39	S VIDEHYI	III MPCS	TECH MAHINDRA
40	A INDU NAGA SIVA DURGA	III MPCS	WIPRO

41	CH BHANU PRAKASH	III MPCS	WIPRO
42	CHANDA JYOTHI SREE	III MPCS	WIPRO
43	D ABIGNA	III MPCS	WIPRO
44	D MAHENDRA	III MCCS	WIPRO
45	J N V RAMANA	III MCCS	WIPRO
46	I V L PUSPHA	III MPCS	WIPRO
47	K L BHARGAVI	III MPCS	WIPRO
48	KANAKA DURGA SAI LAXMI VANIMINA	III MPCS	WIPRO
49	K SIDDU MOUNISHA	III MPCS	WIPRO
50	K VARA LAKSHMI	III MPCS	WIPRO
51	K Y GOWTHAMI	III MPCS	WIPRO
52	M V KISHORE	III MCCS	WIPRO
53	N PAVANI	III MPCS	INFOSYS
54	POTTAMSETTI ANUSHA	III MPCS	TCS
55	P SUNEETHA VARALAKSHMI DEVI	III MCCS	WIPRO
56	S CHANDRIKA	III MPC	WIPRO
57	S DANIEL	III MCCS	WIPRO
58	S GURU LAKSHMI	III MCCS	WIPRO
59	T CHANDRA BHARGAVI	III MPCS	WIPRO
60	M GANGADHAR	III MPCS	DXC
61	POLISETTI PRASANTH	III MCCS	COGNIZANT
62	SURESH VISINIGIRI	III MPCS	WNS
63	SAI TEJA VUPPALA	III MECS	WIPRO
64	POTHUGANTI SANTHOSH	III MPC	DIVIS
65	TOKALA SURYA VAMSI	III MPC	DIVIS
66	VEESAM LOVA RAJU	III MPC	DIVIS
67	L MANASA	III MPCS	ATOS SYNTEL

DETAILS OF PLACEMENTS FOR A-Y 2021-2022

S.No.	Name of student placed	Program graduated	Name of the Employer
1	A TARAKA	MCCS	LTI
2	P SATYA KUMARI	MPCS	LTI
3	G BHAVYA	MPCS	MIRACLE
4	K. HAPPY PRASANTH	MPCHEM	MRF
5	R. BALAJI	MPCHEM	MRF
6	B LAVANYA	MPCS	ACCENTURE
7	K S S MAHA LAKSHMI	MPCS	ACCENTURE
8	P V UMA LAKSHMI	MPCS	ACCENTURE
9	S DEVI VISALAKSHI	MPCS	ACCENTURE
10	B LEELA RAJESH	MCCS	CAPGEMINI
11	CH DEDEEPYA	MPCS	CAPGEMINI
12	K BOBBY	MPCS	CAPGEMINI
13	KORADA SIVA SAI PRAVALLIKA	MPCS	CAPGEMINI
14	L TEJASWINI	MPCS	CAPGEMINI
15	S VASU DEV	MECS	CAPGEMINI
16	K HEMA NANDINI	MPCS	DXC TECHNOLOGIES
17	MEKALA SWATHI	MPCS	DXC TECHNOLOGIES
18	P LALITHA	MPCS	DXC TECHNOLOGIES
19	SRAVANI LEKKALA	MPCS	DXC TECHNOLOGIES
20	YAGNASRI NALLALA	MPCS	INFOSYS
21	N HARI CHANDANA	MPCS	INFOSYS
22	PADMAVATHI CHITIKELA	MPCS	INFOSYS
23	BANGARU RAJU BATCHU	MECS	MOURI-TECH
24	B CH SWAPNA	MPCS	TCS
25	B JAYAPRASAD	MCCS	TCS

26	D POOJIHTA	MPCS	WIPRO
27	D SAI JYOTHSNA	MPCS	TCS
28	D SIVA JYOTHIKA	MPCS	TCS
29	K ARITHI	MCCS	TCS
30	K.PAVANI SAI	BIOTECH	TCS
31	M DURGA	MCCS	TCS
32	N JAYASREE	MPCS	TCS
33	P CHANDINI PRIYA	MCCS	TCS
34	P GEETHA RANI	MPCS	TCS
35	P NIREEKSHAN	MCCS	TCS
36	R SURYANARAYANA MURTHY	MPCS	TCS
37	R V V JAYA LAKSHMI	MCCS	TCS
38	S PRASANNA MANI	MPCS	TCS
39	V HARI MANIKANTA	MECS	TCS
40	A VINODH	MCCS	WIPRO
41	B GANANESWAR GUPTHA	MECS	WIPRO
42	B RAMYA	MPCS	WIPRO
43	CH MOUNIKA	MCCS	WIPRO
44	CH PRASANNA	B.COM	WIPRO
45	D RENUKA	MCCS	WIPRO
46	DANISETTI V N SIVA	MCCS	WIPRO
47	E SAI TEJA	MPCS	WIPRO
48	G HINDU	MPCS	WIPRO
49	G PRANITHA	MCCS	WIPRO
50	G SAI RAM	MECS	WIPRO

51	G SATYA MADHURI	MEC	WIPRO
52	G SIREESHA	B.COM	WIPRO
53	G SRIRAMULU	MCCS	WIPRO
54	J SUSHMA REKHA	MPCS	WIPRO
55	K ANUSHA	MCCS	WIPRO
56	K BHARATHI	MPCS	WIPRO
57	K SAI BABU	MCCS	WIPRO
58	K SAILAJA	MPCS	WIPRO
59	K SRIDEVI	MCCS	WIPRO
60	K SUREKHA	MPCS	WIPRO
61	K V L SATHISH	MPCS	WIPRO
62	K VANI VISWANATH	B.COM	WIPRO
63	KARAKA DEVI	MCCS	WIPRO
64	KONADA VANI	MPCS	WIPRO
65	L SRAVANI	MCCS	WIPRO
66	L VINEETHA	MCCS	WIPRO
67	M SRINU	MCCS	WIPRO
68	M SUREKHA	B.COM	WIPRO
69	N ROHINI	MCCS	WIPRO
70	NIDHI PATEL	B.COM	WIPRO

71	P AMRUTHA SREE	MPCS	WIPRO
72	P BHAVANI	MCCS	WIPRO
73	P KAVYA	MCCS	WIPRO
74	P RAMYA	MPCS	WIPRO
75	P SRIKAR	MPCS	WIPRO
76	P VIJAYA SAHITHI	MPCS	WIPRO
77	RANGAL HIMA BINDU	MPCS	WIPRO
78	S MOUNIKA	MECS	WIPRO
79	S SAI	MPCS	WIPRO
80	SK HANEESHA	B.COM	WIPRO
81	T D SRI VIJAYA	MECS	WIPRO
82	T L V R A VISALAKSHI	MPCS	WIPRO
83	T SWATHI	MCCS	WIPRO
84	U TEJA	MPCS	WIPRO
85	Y ESWAR	MCCS	WIPRO
86	Y SRIKAVYA	MPCS	WIPRO
87	K SAI BHASAKARAO	MPCS	WIPRO
88	D.J.V.L. GOWRI	CBZ	BIOCON
89	G. BHARATHI	MPCHEM	BIOCON
90	G. SIVAJI	MPCHEM	BIOCON
91	K. DEVI	MPCHEM	BIOCON
92	K. YAMINI VISHNU MANIDURGA	MPCHEM	BIOCON
93	P. CHANDRA SOWMYA	CBZ	BIOCON
94	P. PRASUNA	MPCHEM	BIOCON
95	P. PRAVALLIKA	BIOTECH	BIOCON

96	S. VARSHINI	CBZ	BIOCON
97	T. UMAMAHESWARI	CBZ	BIOCON
98	B. VIJAY SURYA	MPCHEM	DIVIS
99	P. PAVAN KUMAR	MPCHEM	DIVIS
100	P. SANTHOSH	MPCHEM	DIVIS
101	S. PAVAN KUMAR	MPCHEM	DIVIS
102	T. SURYA VAMSI	MPCHEM	DIVIS
103	V.LOVA RAJU	MPCHEM	DIVIS
104	CH MANIKYAMBA	BIOTECH	DR. REDDY'S LABS
105	N. AKHILA	MPCHEM	DR. REDDY'S LABS
106	S. GANGA BHAVANI	MPCHEM	DR. REDDY'S LABS
107	D GOPALA KRISHNA	MPCS	ICICI-PRUDENTIAL
108	M DIVYA	MCCS	ICICI-PRUDENTIAL
109	S NAVEEN	CBZ	ICICI-PRUDENTIAL
110	A. LOVA DURGA	MCCS	HETERO
111	A. Raj Kumar	MPCHEM	HETERO
112	A.SAI GANESH	MPCHEM	HETERO
113	BALAZI ROUTH	MPCHEM	HETERO
114	D. Venkata Krishna Raju	MPCHEM	HETERO
115	E. Ramesh	MPCHEM	HETERO
116	K. DENESH KUMAR	MPCHEM	HETERO
117	K. Giri Prasad	MPCHEM	HETERO
118	K. Ravi	MPCHEM	HETERO
119	M.AKHAIL SAI	MPCHEM	HETERO
120	M.BHASKAR	MPCHEM	HETERO

121	M. Srinu	MCCS	HETERO
122	MANIDEEP REDDY	MPCHEM	HETERO
123	P. Appa Rao	MPCHEM	HETERO
124	V. Vijaya Surya	MPCHEM	HETERO
125	DEEPIKA	BIOTECH	EPISOURCE
126	P. RAMESH	BIOTECH	EPISOURCE
127	V.KARUNYA BHARATHI	BIOTECH	EPISOURCE
128	Bangaru Raju BATCHU	MECS	MOURI-TECH
129	Sai Teja Vuppala	MECS	COGNIZENT
130	KOLLU NAGENDRA	MPC	DIVIS

Best Practice 2

Title of the Practice

Renewable sources of energy (Biogas Plant & solar power plant)

Objectives of the Practice

- The objective of renewable sources of energy is to reduce the reliance on fossil fuels and to reduce the environmental impact of energy production.
- The objective of a biogas plant is to produce biogas from organic waste materials such as animal manure, food waste, and agricultural waste. The biogas produced can be used as a renewable energy source for cooking, heating, and electricity generation.
- The objective of a solar power plant is to generate electricity from the sun's energy.

The Context

- In one sense, renewable energy is unlimited, as supplies are continually replenished through natural processes. The daily supply of solar energy is theoretically sufficient to meet all human energy needs for an entire year. But solar energy and other renewable energy sources are limited in the sense that their availability varies across space and time.
- Renewable sources of energy reduce the use of fossil fuels.
- The context of a biogas plant is that it is a sustainable and cost-effective way to reduce the amount of organic waste that is sent to landfills. It also helps reduce greenhouse gas emissions, as biogas is a clean-burning fuel source.
- Solar power plants are becoming increasingly popular as a renewable energy source due to their low environmental impact and cost-effectiveness. Solar power plants are typically large-scale installations that use photovoltaic (PV) cells to convert sunlight into electricity. They can be used to power homes and businesses.
- By installing solar power plants the college committed to making our planet a better place for the future.

The Practice

Biogas Plant

- A biogas plant is a type of anaerobic digester that uses organic matter such as animal waste, food waste, and agricultural waste to produce biogas, which is a mixture of methane and carbon dioxide.
- The biogas produced can be used as a fuel for cooking, lighting, and heating. In India, biogas plants are becoming increasingly popular due to their environmental and economic benefits.
- Biogas plants are unique in the context of Indian higher education because they provide an opportunity for students to learn about renewable energy and sustainable development.
- Students can learn about the science and technology behind biogas production, as well as the economic and environmental benefits of using biogas as a fuel source.
- Additionally, biogas plants can be used as a teaching tool to demonstrate the importance of renewable energy and sustainable development.

Solar power

- The Institute has spacious premises including a terrace, which is ideal for rooftop solar installation (no need to spend money to buy extra spaces).
- The College functions in morning hours only, i.e, during sunshine hours.
- Government subsidy of 30% towards solar plant installation
- Reduce electricity bills
- Generate revenue if extra power is supplied to the grid.
- Long lasting – 20 to 25 years
- Contribute a pollution free and healthy environment
- Demonstration and awareness creation to students

Evidence of Success

The farm in the campus has about 350 animals (both cows and buffaloes combined) and the dairy is attached to a biogas plant. The plant has six digesters and the generation varies between 600 to 800 KW of power a day. While a part of the gas is converted to power, the remaining is processed to produce green cooking gas.

The total installed capacity of the solar power in the campus is 100kVA. The entire energy is used for self-consumption during the college working days. The energy generated by the solar system is connected to the grid during holidays and vacations.

Problems Encountered and Resources Required

Some of the problems encountered in biogas plant:

- The main constraint for biogas plants in India is the lack of access to organic matter. In Order to produce biogas, organic matter such as animal waste, food waste, and agricultural waste must be available.
- Additionally, biogas plants require a significant amount of energy to operate, which can be expensive.
- Finally, biogas plants require regular maintenance and monitoring.

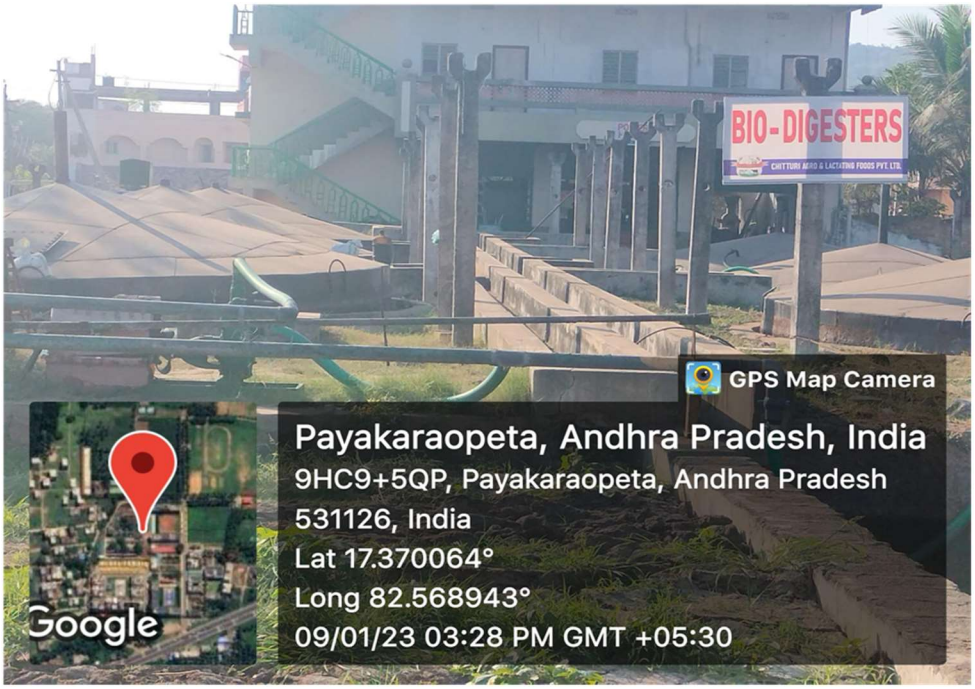
Some of the challenges in solar power are:

- Lack of R&D, modern development facilities, and manufacturing infrastructure, which impact the development of solar panels, equipment, and inverters to meet complete demand.

- Delaminating and internal corrosion If moisture finds its way into the panel, it can cause internal corrosion.
- Electrical issues Faulty wiring prevents your solar panels from performing well.
- Micro-cracks are a common issue with solar panels and can compromise the effectiveness of your system.

Biogas Plant

SPACES DEGREE COLLEGE has been generating and utilizing biogas for multiple pur- poses like cooking and lighting . The availability of 400 cattle comprising both buffalos and cows on the spacious 50-acre campus, biogas to the tune of 500 cubic meters per day is being generated which is being utilized for cooking and lighting purposes for 1200 hostel inmates. Biogas is generated through six plants constructed on the premises of the institution. Both cattle dung and urine are connected to these biogas plants through a canal system. After permutation the biogas generated is connected to the kitchen through a tube and utilized by stoves especially de- signed for the purpose. As far as the lighting system is concerned the biogas supplies are connected to a diesel unit which generates power to the tune of 200 units per day resulting in huge savings on the energy bill. Besides, the institution also saves on an average. four 18.2 kg LPG cylinders per day on cooking. Apart from this, the slurry available after permutation of cattle dung is being used as an organic fertilizer for various agriculture purposes including farming. The excess slurry is also supplied to farmers who opt for organic farming.



స్ఫూర్తి

ప్రకృతిని కా'పాడి'...

వంటగ్యాస్ ధర ఊహించని విధంగా పెరిగిపోతోంది. ఇలాంటి పరిస్థితుల్లో రోజూ ఏడు వందల మందికి వంట చేయాలంటే రెండు రోజులకో గ్యాస్ సిలిండర్ భళీ అవుతుంది. కానీ అక్కడ మాత్రం గ్యాస్ ఖర్చు రూపాయి లేకుండా బయోగ్యాస్‌తో రోజూ వంట సిద్ధం చేస్తున్నారు.

పచ్చని కొండల మధ్య నాలుగు వందల ఆవులు, గేదెలతో ఏర్పాటయిన డెయిరీ ఫాం అది. ఆంధ్రప్రదేశ్‌లోని అనకాపల్లి జిల్లా, పాయకరావుపేట సమీపంలోని పీఎల్ పురం గ్రామంలో ఉందా డెయిరీ ఫాం. ఎనిమిది పదుల వయసులోనూ డెయిరీ ఫాం బాధ్యతలను ఉత్సాహంగా చూసుకుంటున్నారు సిహెచ్.వి.కె. నరసింహారావు.

● మూలాలు ఇక్కడే...

'గ్రామీణ ఆర్థిక వ్యవస్థకు అతి ముఖ్యమైనవి వ్యవసాయంతో పాటు పాడి పరిశ్రమ. అయితే కొంతకాలంగా రైతులు పాడి పరిశ్రమను నిర్లక్ష్యం చేయడం వల్ల ఆర్థికంగా స్వయం సమృద్ధి సాధించలేక పోతున్నారని అంటారు నరసింహారావు. ఆ విషయాన్ని రైతులకు తెలియజేయడానికి ఈ రంగంలోకి అడుగుపెట్టానని అంటారాయన. రెండు సంకరజాతి ఆవులతో 1990లో ఆయన డెయిరీ ఫాం ప్రారంభించారు. పాల నాణ్యత విషయంలో రాజీ పడక పోవడం వల్ల ప్రారంభంలో నష్టాలు ఎదురయ్యాయి. దాని నుంచి ఎలా బయట పడాలని ఆలోచించినప్పుడు గ్యాస్ ఉత్పత్తి ఆలోచన తట్టింది. రోజూ వచ్చే వందలాది టన్నుల పేడను ఉపయోగించి, శాస్త్రీయ పద్ధతిలో 6 ట్యాంకులతో గోబర్ గ్యాస్ ప్లాంట్‌ని ప్రారంభించారు. ఒక్కో ప్లాంట్ నుండి 85 క్యూబిక్ మీటర్ల గ్యాస్ ఉత్పత్తి అవుతోంది. ప్రస్తుతం అక్కడ 400లకు పైగా జెర్సీ ఆవులు, ముర్రా, గోదావరి గేదెలు ఉన్నాయి. డెయిరీ ఫాం నుంచి రోజూ పాలు సరఫరా చేయడమే కాకుండా, కొన్ని టన్నుల పేడను ఉపయోగించి గోబర్ గ్యాస్‌ను ఉత్పత్తి చేస్తూ లాభాల బాట పట్టారు. ఏడాదికి 200 మెట్రిక్ టన్నుల వర్మీ కంపోస్ను, బయోడైజస్టర్‌తో 400 మెట్రిక్ టన్నుల సేంద్రియ ఎరువులు తయారు చేస్తున్నారు. బయోగ్యాస్ ఆధారిత విద్యుత్ ప్లాంట్ ద్వారా 3 ఏళ్ల పాటు రోజుకు 100 కిలోవాట్ల విద్యుత్‌ని ఉత్పత్తి చేశారు. రాష్ట్రంలో బయోగ్యాస్ ద్వారా విద్యుత్ ఉత్పత్తి చేసిన ఏకైక డెయిరీ ఫాం ఇదే. ఇప్పుడైతే గ్యాస్‌ని పూర్తిగా వంట కోసం ఉపయోగిస్తున్నారు. నరసింహారావు పాడి రైతే కాదు, విద్యావేత్త కూడా. శ్రీ ప్రకాశ్ విద్యానికేతన్ అనే విద్యా సంస్థను డెయిరీ క్యాంపస్‌లోనే నిర్వహిస్తున్నారు. ఇక్కడ ఉత్పత్తి అయ్యే బయోగ్యాస్ ద్వారా శ్రీ ప్రకాశ్ విద్యానికేతన్‌లోని హాస్టల్ వంటశాలలో రోజూ 700 మంది విద్యార్థులకు భోజనం తయారుచేస్తున్నారు. "రూపాయి ఖర్చులేకుండా రోజుకు 700 మందికి వంట చేయడానికి ఆ బయోగ్యాస్ సరిపోతుంది. అదే ఎల్‌పీజీ గ్యాస్ అయితే నెలకు 60 సిలిండర్‌లు కావాలి. గోబర్ గ్యాస్ వల్ల ఆ ఖర్చంతా మిగులుతోంది" అని అంటారు కిచెన్ ఇన్‌చార్జి వెంకటరమణ. ఇక్కడ వరి, కూరగాయల సాగుకు ఎరువుల కొనుగోలు ఖర్చు కూడా ఆదా అవుతోంది.

ఈ విజయం కొందరు రైతులకు స్ఫూర్తినిచ్చింది. మరి కొందరికి మినీ డెయిరీ ఫారాలు ఏర్పాటు చేయడానికి దోహదపడింది. నరసింహారావు దగ్గర 60 మంది శిక్షణ తీసుకుని చుట్టుపక్కల గ్రామాల్లో మినీ డెయిరీలు, గోబర్ గ్యాస్ ప్లాంట్‌లను ఏర్పాటు చేశారు. ఈ యూనిట్ల కోసం రైతులకు ఆయన బ్యాంకు గ్యారంటీలు కూడా ఇచ్చారు.

● సిలిండర్ ధరతో ఆందోళన లేదు

"వంటగ్యాస్ ధరలు పెరిగినప్పుడల్లా అందరూ ఆందోళన చెందుతారు కానీ మేం మాత్రం ఆ విషయం పట్టించుకోం. ఎందుకంటే గత పదేళ్లుగా మా ఇంట్లో ఒక్క ఎల్‌పీజీ గ్యాస్ సిలిండర్ కూడా వాడలేదు. మా వంట గ్యాస్‌ని మేమే తయారు చేసుకుంటున్నాం! మా పశువులే మాకు పాలు, ఎరువులు, వంట గ్యాస్ ఇస్తున్నాయి" అని అంటారు డొంకాడ కొత్తూరుకి చెందిన గంటి శివ. పశుపోషణ ద్వారా పాల ఉత్పత్తితో పాటు, వంటగ్యాస్, విద్యుత్, సేంద్రియ ఎరువులను ఉత్పత్తి చేయడం ద్వారా గ్రామీణ ఆర్థికాభివృద్ధిని సాధిస్తున్నారు. అంతేకాకుండా విద్యుత్ కొరత, గ్రీన్ హౌస్ వాయువుల నుంచి పర్యావరణాన్ని కాపాడుతూ నలుగురికీ ఆదర్శంగా నిలుస్తున్నారు.

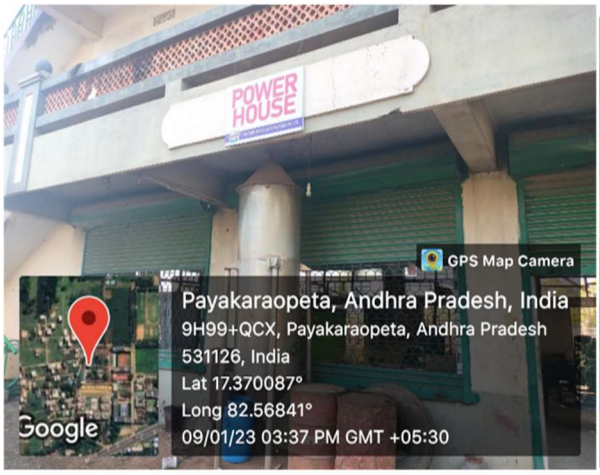
- శ్యామ్‌మోహన్, 94405 95858

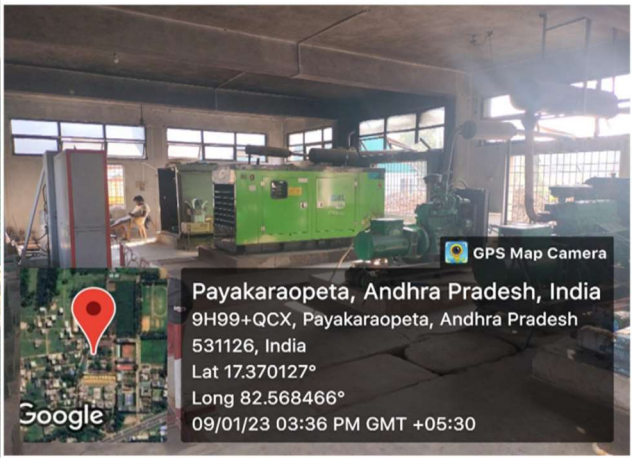
"డీజిల్‌కి బదులు బయోగ్యాస్‌ని వాహనాలకు ఇంధనంగా వాడితే కర్బన ఉద్గారాలు 80 శాతం వరకు తగ్గుతాయి. కంప్రెస్డ్ బయోగ్యాస్ తయారీ దిశగా మా క్యాంపస్‌లో ఒక ట్యాంక్ ఏర్పాటు చేసి, ప్రయోగాలు చేస్తున్నాం. దానిని సాధించడమే నా లక్ష్యం."
- నరసింహారావు

SOLAR ENERGY

Solar energy is an essential source of renewable energy, which is used to produce electricity with photovoltaic panels. Which offers many benefits that make it one of the most promising energy i. Renewable, ii. Inexhaustible, iii. Non- polluting, iv. Avoids global warming, v. Reduces use of fossil fuels, vi. Reduces energy imports, vii. Contributes to sustainable development. The rooftop solar PV power plant had been installed on the roof of various buildings.

In our college we use solar panels for 1. power generation 2. Solar water heater 3. Solar dryer 4. Solar street lighting system.





SRI PRAKASH SOLAR WATER HEATER

The general consensus is that climate change is occurring and that carbon emissions are a major contributing factor. A solar water heater uses the renewable energy of the sun to warm up our SRI PRAKASH water. If you can use solar energy to heat up water, that's less fossil fuel or natural gas being used and released into the atmosphere from traditional electric or gas water heaters. That means you'll be helping save the environment in addition to lowering your gas or electric bill.

SRI PRAKASH SOLAR DRYER

Solar dryers are used to eliminate the moisture content from crops, vegetables, and fruits. The solar dryer consists of a box made up of easily available and cheap material. The top surface of the dryer is covered by transparent single and double-layered sheets. The inside surface is colored black to absorb the incoming solar radiation. Since the box is insulated, the inside temperature of the box is raised. The air is ventilated through the small holes at the top of the box. As the inside air gets warm, it rises by the natural circulation process and removes the moisture from the fruits, vegetables, and the crops placed in trays inside the box. To fill the vacuum, fresh air comes in by a forced draught process and the process continues.

SOLAR STREET LIGHT SYSTEM

Solar streets are an effective outdoor lighting to illuminate in the streets of our college at night times. Solar street lights are powered by solar panels and turned on and off automatically by sensing the night fall and the daylight.