



ELECTRO VISION' 17

A Publication of the SICET Society of ECE

December 2017 Volume:2 Issue:1 ISBN:978-1-62314-474-6



 **Sri Indu**
College of Engineering & Technology
UGC Autonomous Institution
EAMCET / ICET Code: **INDU**
Estd.2001

Recognized under 2(f) and 12(B) of UGC Act 1956, NAAC, NBA Accredited,
Approved by AICTE & Permanently Affiliated to JNTUH, HYD, Telangana - 501 510.



Department of Electronics and Communication Engineering
SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY
HYDERABAD

VISION

To be a premier Institution in Engineering & Technology and Management with competency, values and social consciousness.

MISSION

IM1: Provide high quality academic programs, training activities and research facilities.

IM2: Promote continuous Industry-Institute interaction for employability, entrepreneurship, leadership and research aptitude among stakeholders.

IM3: Contribute to the economical and technological development of the region, state and nation.

www.sriindu.ac.in

**DEPARTMENT OF
ELECTRONICS & COMMUNICATION ENGINEERING**

DEPARTMENT VISION

To be a centre of excellence in Electronics and Communication Engineering Education and to produce professionals for ever-growing needs of society.

DEPARTMENT MISSION

DM1: To promote and facilitate student- centric learning.

DM2: To involve in activities that enable overall development of stakeholders.

DM3: To provide holistic environment with state-of-art facilities for students to develop solutions for various social needs.

DM4: Organize trainings in embedded systems with Industry interaction

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)**PEO 1: Higher Degrees & Professional Employment:**

Graduates with ability to pursue career in core industries or higher studies in reputed institution.

PEO 2: Domain Knowledge:

Graduates with ability to apply professional knowledge/skills to design and develop product or process.

PEO 3: Engineering Career:

Graduates with excellence in Electronics and Communication Engineering along with effective inter-personnel skills.

PEO 4: Lifelong Learning:

Graduates equipped with skills in recent technologies and be receptive to attain professional competence through life-long learning.

PROGRAM SPECIFIED OUTCOMES (PSOS)**PSO 1: Basic Electronic and communications knowledge:**

Apply basic knowledge related to electronic circuits, VLSI, communication systems, signal processing and embedded systems to solve engineering/societal problems.

PSO 2: Design Methods:

Design, verify and authenticate electronic functional elements for different applications, with skills to interpret and communicate results.

PSO 3: Experimentation & Communications:

Engineering and management concepts are used to analyze specifications and prototype electronic experiments/projects either independently or in teams.

POS	PROGRAM OUTCOME STATEMENTS
PO1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
PO3	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
PO4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
PO5	Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
PO6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
PO7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO11	Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO12	Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

STUDENT ACHIEVEMENT

PLACEMENT ACTIVITIES

S.No	Student Name	Student ID/No.	Employer name	Employer Website	Date of offer / Appointment
1	CH. RAVI KUMAR	13D41A0439	AISHWARYA TECHNOLOGIES	http://www.aishwaryatelltd.net/	29.06.2017
2	E. ARUN TEJA	13D41A0457	AISHWARYA TECHNOLOGIES	http://www.aishwaryatelltd.net/	29.06.2017
3	S. SRIYANSH	13D41A04F4	AISHWARYA TECHNOLOGIES	http://www.aishwaryatelltd.net/	29.06.2017
4	K. DEEPIKA	13D41A0480	AISHWARYA TECHNOLOGIES	http://www.aishwaryatelltd.net/	29.06.2017
5	MD. SIRAJUDDIN	13D41A04B7	AISHWARYA TECHNOLOGIES	http://www.aishwaryatelltd.net/	29.06.2017
6	N. BHANU VIKAS	13D41A04C9	AISHWARYA TECHNOLOGIES	http://www.aishwaryatelltd.net/	29.06.2017
7	B. PARASHA RAMUDU	13D41A0418	AISHWARYA TECHNOLOGIES	http://www.aishwaryatelltd.net/	29.06.2017
8	A. RAVI	13D41A0406	AISHWARYA TECHNOLOGIES	http://www.aishwaryatelltd.net/	29.06.2017
9	K. DEVI	13D41A0494	AISHWARYA TECHNOLOGIES	http://www.aishwaryatelltd.net/	29.06.2017
10	J. KUMAR	13D41A0470	AISHWARYA TECHNOLOGIES	http://www.aishwaryatelltd.net/	29.06.2017
11	A. SESA SAI	13D41A0405	SUTHERLAND	https://www.sutherland.com/	29.06.2017
12	D. PRASANNA LAKSHMI	13D41A0448	SUTHERLAND	https://www.sutherland.com/	29.06.2017
13	G.PRANEETH	13D41A0465	SUTHERLAND	https://www.sutherland.com/	29.06.2017
14	K. LAKSHMI KALYANI	13D41A0488	SUTHERLAND	https://www.sutherland.com/	29.06.2017
15	K. DINESH	13D41A04A6	SUTHERLAND	https://www.sutherland.com/	29.06.2017
16	M. VISHNU VARDHAN	13D41A04B1	SUTHERLAND	https://www.sutherland.com/	29.06.2017
17	N. SRAVYA REDDY	13D41A04D4	SUTHERLAND	https://www.sutherland.com/	29.06.2017
18	SAI HARI PRASAD	13D41A04E5	SUTHERLAND	https://www.sutherland.com/	29.06.2017
19	VAJRAHAS	13D41A04F6	SUTHERLAND	https://www.sutherland.com/	29.06.2017
20	T. KARTHIKEYA	13D41A04H3	SUTHERLAND	https://www.sutherland.com/	29.06.2017
21	T. TEJASWINI	13D41A04J0	SUTHERLAND	https://www.sutherland.com/	29.06.2017
22	N. SRAVANI JYOTHI	13D41A04D1	SUTHERLAND	https://www.sutherland.com/	29.06.2017
23	C. RAJASHEKAR REDDY	14D45A0408	SUTHERLAND	https://www.sutherland.com/	29.06.2017

LIST OF STUDENTS PARTICIPATED IN OTHER TECHNICAL EVENTS

S. No	Date	Name of the event	Venue	Name of the student	Awards
1.	8-7-2017	AAKRUTHI	OU,HYD	M.Abhinav	Participated
2.	8-7-2017	AAKRUTHI	OU,HYD	J.Priyanka	Participated
3.	8-7-2017	AAKRUTHI	OU,HYD	S.Snigdha Reddy	Participated
4.	8-7-2017	AAKRUTHI	OU,HYD	P. Divya Reddy	Participated
5.	8-7-2017	AAKRUTHI	OU,HYD	M. Aishwarya	Participated
6.	8-7-2017	AAKRUTHI	OU,HYD	T.Pragnya Reddy	Participated
7.	8-7-2017	AAKRUTHI	OU,HYD	K. Dinesh Reddy	Participated
8.	8-7-2017	AAKRUTHI	OU,HYD	P. Anusha	Participated
9.	8-7-2017	AAKRUTHI	OU,HYD	B. Sai Kumar Reddy	Participated
10.	8-7-2017	AAKRUTHI	OU,HYD	T. Bhavana	Participated
11.	8-7-2017	AAKRUTHI	OU,HYD	P. Chandana	Participated
12.	8-7-2017	AAKRUTHI	OU,HYD	A. Chandana	Participated
13.	8-7-2017	AAKRUTHI	OU,HYD	P. Madhuri	Participated
14.	8-7-2017	AAKRUTHI	OU,HYD	A. Meena	Participated
15.	8-7-2017	AAKRUTHI	OU,HYD	P. Sindhuja	Participated
16.	8-7-2017	AAKRUTHI	OU,HYD	K. Krishna Reddy	Participated
17.	8-7-2017	AAKRUTHI	OU,HYD	A. Sowmya	Participated

LIST OF EVENTS ORGANIZED

S.No	Date	Name of the event	Name of the coordinator/s	Resource person details	No of participants
1	29/10/2017	ATMOS	E.PARUSHARAM	BITS-HYD	7
2	09/02/2018	CYIENT	E.PARUSHARAM	IIT-HYD	8
3	18/09/2017	TECH-FEST	ABDUL KHAJA PASHA	JNTU-HYD	6

S.No	Subject	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	No of students
1	English	Soft Skills development	Workshop	29/12/2017 & 30/12/2017	Mr.Karthik IMPATA	110
2	CMC	Android Apps Development	Hands on Worksh	10/11/2017 & 11/11/2017	Conscience Tech	70

3	AWP	Various Antennas and Its Applications in Wireless Domain	Seminar	21/10/2017	Dr.P.V.Ramana Reddy,Professor,Dept of ECE,JNTUA	90
4	BEE	PCB Design and Fabrication Techniques	Hands on worksh	08/09/2017& 09/09/2017	ROBOINSCI Technologies PVT Lmtd	60
5	DSP	Filter bank multi carrier modulation	Guest Lecture	15/07/2017	Thota Sravanthi Asst.Prof CVR College of Engg	75

USEFUL WEBSITES FOR APTITUDE, GD, TECHNICAL & HR INTERVIEW

<http://www.indiabix.com>
<http://www.freshersworld.com>
<http://www.placementpapers.net>
<http://www.allinterview.com>
<http://www.geekinterview.com>
<http://www.careersvalley.com>
<http://www.sampleplacementpapers.com>
<http://www.chetanasinterview.com>
<http://www.ittestpapers.com>
<http://www.indianfresher.com>
<http://www.freeplacementpapers.com>
<http://www.educationindiaworld.com>
<http://www.jobsnresults.com>
<http://www.psychometric-success.com>
<http://testfunda.com>
<http://www.test4free.com>
<http://www.placementexpress.com>

TECHNICAL

<http://www.mechanicalengineeringblog.com>
<http://www.indiabix.com>

USEFUL WEBSITES FOR ENGLISH COMMUNICATION

<http://www.nonstopenglish.com>
<http://www.talkenglish.com>
<http://www.freeenglishnow.com>
<http://www.ego4u.com>
<http://www.focusenglish.com>
<http://www.bbc.co.uk/worldservice/learningenglish>
<http://www.englishclub.com>
<http://www.easyenglish.com>
<http://learnenglish.britishcouncil.org> englishbee.net
http://www.english4today.com/free_content.cfm
<http://www.english-the-international-language.com>
<http://www.teachingenglish.org.uk>
<http://esl.about.com>
<http://www.learnenglish.de>
<http://www.busuu.com>
<http://free-esl.com>

‘FACTS’ TO PERFORM WELL IN THE PLACEMENTS

- F** - Clear the subjects in **F**irst attempt
- Learn **F**oreign Language (German, Japanese, French, Chinese)
- A** - Have right **A**ttitude
- C** - Have good **C**ommunication Skills
Maintain a **C**GPA above 7.5
- T** - **T**hink Positive
Develop creative **T**hinking
- S** - Be **S**agacious. Express your wisdom and Exhibit your Talents

National Green Tribunal orders closure of 13 industries violating pollution norms

(Source: “Business Standard” News article)

The National Green Tribunal today ordered closure of 13 industries in Uttar Pradesh, including Amrohabased drug firm Jubilant Life Sciences, after inspections found them violating pollution norms. A bench headed by NGT Chairperson Justice Swatanter Kumar passed the order after noting the findings of a special inspection team which informed that effluents discharged in the Bagad river were beyond the prescribed limits. Bagad, which spans a distance of 200 kms, contained heavy industrial pollutants from Gajraula and Bhagrara industrial clusters as there was no common effluent treatment plant on this river. The tribunal had noted that though Bagad does

not meet Ganga, the effluents would meet the river when there is a heavy flow. "We hardly find any substance in the submissions made by the industry. We grant them time to put on record to show that they are compliant. These industries have failed to discharge their onus...We hereby direct 13 industries to shut down forthwith," the bench said while noting that these units were extracting ground water without permission from Central Ground Water Authority. The tribunal also directed UP government and the state pollution control board to immediately disconnect their electricity and water supply. It also asked these industries to file their response on the findings of the committee within a week. The industrial units to be closed are Jubilant Life sciences Ltd (distillery unit), Jubilant Industries Ltd (Polymer unit), Jubilant life sciences Ltd (chemical unit -1), Jubilant life sciences Ltd (chemical unit -2), Jubilant Agri & Consumer Products, Jain Distillery Pvt Ltd, Teva API India Ltd, Insilco Ltd, Umang Dairies Limited, Dairy India Private Limited, Coral Newsprints Limited, Kamakshi Paper Mill and Mohit Petrochemicals Private Limited. On April 24, the NGT had constituted an inspection team comprising Member Secretary of Central Pollution Control Board, Director (Tech), National Mission for Clean Ganga, Director, Ministry of Environment and Forests and Member Secretary of Uttar Pradesh Pollution Control Board. 34 They were directed to inspect 12 industries in the catchment area of Bagad River at Gajraula in Amroha district of Uttar Pradesh and report about the source of water used by them. The tribunal had earlier said that excessive extraction of water between Haridwar and Unnao in Ganga floodplains is a serious issue and should be immediately stopped. It had said that the water which was being diverted into the various canals should be regulated so as to help maintain a minimum flow of the river. In a detailed report covering various aspects of contamination in the river, CPCB had informed the NGT that the Ganga, spanning a distance of 543 km between Haridwar and Kanpur, was affected by 1,072 seriously polluting industries which were releasing heavy metals and pesticides. At present, 823.1 million litres per day of untreated sewage and 212.42 MLD of industrial effluents flow into the river, while three of the four monitored Sewage Treatment Plants were non-compliant with the set standards, it said. The green panel has divided the work of cleaning the river in different segments - Gomukh to Haridwar (Phase-I), Haridwar to Unnao (termed as segment B of Phase-I), Unnao to border of Uttar Pradesh, border of Uttar Pradesh to border of Jharkhand and border of Jharkhand.

EDITORIAL TEAM

Chief Editor

Dr.N.C.SENDHIL KUMAR

Dr.P.MUKUNTHAN

Associate Editors

Mr.ABDUL KHAJA PASHA

Mr.E.PARUSHA RAMU

CONTACT :

Sri Indu College Of Engineering & Technology

Sheriguda (Village), Ibrahimpatanam,

RR Dist.- 501 510,

Telangana, India

+91 - 08414 - 202085

+91 - 9347353999 (AO)

induprincipal@gmail.com

