



Sri Indu College of Engineering & Technology

[AUTONOMOUS INSTITUTION]

Approved by AICTE, New Delhi, NBA Accredited & Permanently Affiliated to JNTU, Hyderabad
Sheriguda (Village), Ibrahimpatnam(M), Ranga Reddy District – 501 510
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Dr. P. Mallesham, B.E., M.E., Ph.D.,
Principal

An effective implementation of this Outcomes Based Education (OBE) ensures that our graduating engineers have all the 12 POs defined by NBA, and hence can compete on a global platform, and have expected global attributes. Specific to every program, we have 3-5 Program Educational Objectives (PEOs) that are measured through the performance of the alumni. The PEOs, PSOs and POs of each department is also displayed in website. <https://sriindu.ac.in/wp-content/uploads/2021/01/POs-PSOs-COs-ALL-UG-PG-PROGRAMS.pdf>

The Autonomy of the institute also provides the academic flexibility for introducing the new Courses like Data Science, Artificial Intelligence, Machine Learning, internet of Things are included for graduate courses of Computer Science and Information Technology. Intra disciplinary courses and advanced subjects like Mechatronics and Additive Manufacturing have been introduced to students of Mechanical Engineering. Advanced courses like Green Buildings and Repair & Rehabilitation of Structures are introduced for Civil Engineering students.

To enhance the practical knowledge of the students, SAP Lab, Research Centre, E-Yantra, 3D Printing, Calibration lab, Civil Computer Aided Design lab .. etc are established. These centres empower students and faculty to develop skills necessary for more advanced study or research. Such practical exposure in line with the current needs of the society is provided to the students by incorporating such new lab courses into the curriculum.

The UG and PG courses have been developed to provide required inputs to aspiring entrepreneurs and provide extra support. The Entrepreneurship Development Cell (EDC) extends the need based programs by organizing workshops / seminars in association with MSME India.

Apart from the basic courses Guest Lectures and Workshops are also conducted for the improvement of knowledge and skill expertise. Apart from the technical courses related to each of the specific programme, few courses having social relevance satisfying the local needs and also some courses are also framed to integrate the national movements like Haritha Haram, Swatch Bharat, START UP INDIA , UJWAL BHARAT , ...etc and the details of courses are given below.



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Courses in Curriculum		Linkages with Societal Needs / Government of India initiatives
R20HAS1102	Environmental Science	National River Conservation Plan Environmental Sustainability
R20CIV3271	Disaster Management & Mitigation	National Disaster Management system
R20CIV3201	Hydrology & Water Resources Engineering	National Afforestation Programme
R20HMS4297	Human Values & Professional Ethics for Engineers	National Anti-Corruption Strategy / VIGIL
R20EEE4294	Non Conventional Energy Resources (Renewable Energy Resources)	Ujwal Bharat
R18CSE4152	Internet of Things	Smart India, Smart Cities
R18CSE4163	Big data Analytics	Digital India
R18CSE4143	Data Analytics	Digital India, National cyber security policy
R20CSE3124	Cyber Security	
R18CSE4101	Cryptography and Network Security	
R18MED4101	Refrigeration and Air Conditioning	Local Needs (COLD STORAGE) Agricultural Mechanization ; KISAN VIKAS
R18EEE2205	Basics of Electrical & Electronics Engineering	Make in India
R18CSE2101	Data Structures through C++	Skill India
R16ECE1206	HDL Programing	Digital India
R18INF3103	Data Communications and Networks	Smart Cities Mission Programme
R18ECE4261	Wireless Communication & Networks	National Council for Science & Technology Communication
R20CSE2104	Python Programming	Skill India
R20ECE2102	Digital Logic Design	Digital India




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LIST OF ACTIVITIES ORGANIZED (2020-21)

Event Name	Department	Event Date
National Constitution day of India (Poster Presentation, Quiz Contest)	ECE & CSE	26.11.2021
Anti-Violence Against Women's (Poster Presentation, Creative Chart Work)	CSE	25.11.2021
Machine Learning Approaches For Real Time Problems	IT,IOT and AI&ML	30.10.2021
Roadmap to Women's Empowerment through Entrepreneurship and Operations	IIC	19.10.2021
Importance of Patenting your Innovations & Transformation of Business operation	IIC	19.10.2021
Innovation for Startup and B-Plan	IIC	05.10.2021
Creative Ideation, Design Thinking and Prototyping for user centered Innovations	IIC	05.10.2021
How to Become an Good entrepreneur	EDC	24.08.2021
World Entrepreneurship day Celebration	IIC	21.08.2021 to 24.08.2021
Orientation Session on Ideation and Entrepreneurship Development	IA-IIC	06.08.2021
Orientation Session on Design Thinking Skill for Innovation	IIC	14.07.2021
To create an awareness about Angel and VC funding among students	IPR Cell	05.07.2021
Building an Innovation/Product fit for Market	IPR Cell	30.06.2021
How to Plan for Start-up and Legal & Ethical Steps	IPR Cell	29.06.2021
Webinar on UX Design	EDC	22.06.2021
Wireless Power Transfer (WPT) technology is developing rapidly in Electrical Vehicle applications.	EEE	23.06.2021
Workshop on Drone Development	S-Hub	21.06.2021
International Yoga Day	NSS	21.06.2021
Career Guidance for Electrical Engineers	EDC	26.05.2021
Protecting your Innovations Through Patents	IPR	22.05.2021
Problem Solving Workshop On 21st Century Skillset	EDC	18.05.2021

Iris Dataset using KNN Algorithm	ECE	08.05.2021
One Week Training Program on Skill Development on JAVA	S-HUB & P-HUB	24.04.2021 to 30.04.2021
Guest Lecture on Segmentation Tree	CSE & IT	24.04.2021
New Faculty Orientation Program	IQAC	17.04.2021
Guest Lecture on Face Recognition using Python	CSE	03.04.2021
How to Start a Career in Machine learning and Artificial Intelligence	R&D Cell	09.03.2021
Quiz contest on" BUSINESS COMMUNICATION"	EDC	25.02.2021
Orientation Program On Social Entrepreneurship And Basic Business Plan	SICET IIC	25.02.2021
Training Session On 100 Shortcuts In Aptitude Skill	TPC	19.02.2021
Startup Business Idea Development For Innovation & Entrepreneurship	EDC	10.02.2021
Development Of Entrepreneurship & Innovation Skills	Incubation Cell	30.01.2021
Workshop on Prototype/ Process Design and Development- Prototyping	IIC	27.01.2021
Innovative Teaching Strategies	ECE	25.09.2020
Machine Learning and Python	TASK	27.08.2020
Internship opportunity in Electrical field	Princeton Smart Engineer	18.08.2020
Employability Skills	Mahindra Pride Class room	17.08.2020 & 25.08.2020
IIT Roorkee & Wiley- Post Graduate Certification in AI for BFSI	Miles Education	14.08.2020
Core jobs in various disciplines of Engineering	HIEE	12.08.2020
Expectations of the Business Process Management (BPM) Industry Post Covid-19	TASK	06.08.2020
Python Programming for Data Science & Machine Learning	30DigiTMG	03.08.2020 to 07.08.2020
Evolving Trends during & Post Covid in Talent Acquisition	WIPRO	01.08.2020
Free Webinar on Cyber Security	Soebit Cyber security	01.08.2020
Block Chain Training Program	TASK	30.07.2020 & 31.07.2020
Think Big	ECE	22.08.2020
Interview skills	ECE	21.08.2020
Personal Grooming	ECE	20.08.2020
Relationship Management	ECE	19.08.2020
Decision Making	ECE	18.08.2020
Time and Priority management	ECE	17.08.2020
Mentorship on Placement awareness and Readiness	ECE	12.08.2020
Self-Estimation towards Job Scope	ECE	10.08.2020

Computer Vision and Its Applications	ECE	25.07.2020
86.4k	ECE	30.06.2020
Covid-19 Hackathon	ECE	08.06.2020 to 28.08.2020
Functional Graded Metal Matrix Composites for Engineering Applications	MECH	21.05.2020
Advanced Power Technologies	MECH	20.05.2020 & 21.05.2020
Cyber Security	CSE	16.05.2020
Digital Productivity	CSE	15.05.2020
Faculty Awareness Program on Accreditation and Outcome Based Education	IT	18.05.2020
Face Mask Detector with openCV, Tensor Flow and Deep Learning	IT	27.05.2020
Innovation And Entrepreneurial Needs In 21 st Century	MBA	21.05.2020
Students Development Programme on Tunnel Technology	CIVIL	29.05.2020
FDP on SOLAR ENERGY	CIVIL	19.05.2020
Transformation in Crisis	EEE	25.05.2020
Prime Time	ECE	26.06.2020
Deep learning for Radar Imaging	ECE	30.05.2020
Recent Trends in Electrical Engineering and Renewable Energy Sources	EEE	23.05.2020
Skill Development Programme on "MATLAB PROGRAMMING"	EEE	23.05.2020
Skill Development Programme on "PYTHON PROGRAMMING"	ECE	21.05.2020
Introduction to IOT and its Applications	ECE	18.05.2020
How to Become A Software Engineer in IT Industry	ECE	26.05.2020
Real Time Implementation of AI Incorporated With Image Segmentation And Retrieval Process	ECE	21.05.2020




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