

ATTITUDE

Department of Information Technology, Easwari Engineering College, Ediloi VJ

APR 2021 - MAY 2021

ADVISORY COMMITTEE

DR N.ANANTHJ HEAD OF THE DEPARTMENT
MR V.BALAJJ STAFF COORDINATOR

EDITORS

ROHITH M, IV YEAR, IT-B
SRJRAM R, IV YEAR, IT-B
PRASSHANTH R.K, IV YEAR, IT-B

A SUMMARY OF WHAT IS INSIDE

Articles on the topics

TOP DEEP LEARNING STARTUPS
IMPACTING AGRICULTURE

VISION

To impart Quality Education towards the holistic development of students and be a strategic partner in the Industrial Advancement arena and emerge as a 'Center of Excellence for Higher Studies' in the specialization of Information Technology

MISSION

M1: To offer doctoral programmes in the field of Information Technology to enhance research activities.

M2: To awaken the young minds and lay solid Engineering foundation among the graduates through the design of experiments, analysis and interpretation of data.

M3: To produce graduates with ethical principles and commit to professional ethics to cater to the norms of engineering practice.

M4: To create graduates to work individually and as a member of a team to function effectively in multidisciplinary areas for solving complex engineering problems.

M5: To use modern Information Technology tools and appropriate teaching techniques for predicting and modeling the real world problems.

M6: To provide contextual knowledge among graduates to assess societal, health, safety, legal and cultural issues through innovative professional engineering practice.

M7: To prepare and build the ability to recognise the need for independent and life long learning in the context of technological changes in the field of Information Technology.

PROGRAM EDUCATIONAL OBJECTIVES

PE01 Graduates will be proficient in utilizing the fundamental knowledge of basic sciences, mathematics and Information Technology for the applications relevant to various streams of Engineering and Technology.

PE02 Graduates will possess core competencies necessary for applying knowledge of computers and telecommunications equipment to store, retrieve, transmit, manipulate and analyze data in the context of business enterprise.

PE03 Graduates will be capable of thinking logically, pursue lifelong learning and will have the capacity to understand technical issues related to computing systems and to design optimal solutions.

PE04 Graduates will be able to develop hardware and software systems by understanding the importance of social, business and environmental needs in the human context.

PE05 Graduates will gain employment in organizations and establish themselves as professionals by applying their technical skills to solve real world problems and meet the diversified needs of industry, academia and research.

TOPPERS

Class & Sec	Register Number	Name of the Student	CGPA
II YEAR A	19205029	GAYATHRI S	9.75
II YEAR B	19205092	SATHYA S	9.75
III YEAR B	310618205077	SAMYUKTHA S JOSHI	9.30
III YEAR B	310618205096	SREENIDHI.M.N	8.81
IV YEAR A	310617205038	MEENAKSHI R	8.79
IV YEAR B	310617205107	SUSHMITHA K	8.78

PLACEMENTS



IT-PLACEMENT SUMMARY-2021 BATCH

COMPANY	NO. OF OFFERS
ACCENTURE	06
BAHWAN CYBERTEK	01
COGINZANT (CTS)	02
FULL CREATIVE	01
HCL	02
LTI (LARSEN & TOUBRO INFOTECH)	03
NEWGEN TECHNOLOGIES	01
NOTRON LIFE LOCK	01
NTT DATA	01
PICK YOUR TRAIL	01
SPEED LABS	03
SUTHERLAND	06
TCS DIGITAL	01
TCS NINJA	06
THINK SYNQ	03
VALEO INDIA PVT LMT	01
VIRTUSA	01

IT-PLACEMENT SUMMARY-2021 BATCH

URJANET	02
WIPRO	11
ZOHO	01
TOTAL OFFERS	54
Total No. of Students Placed	50
Total No. of Offers	54
Total No of Single offers	46
Total No of Dual offers	04
Total No of Triple offers	-

INTERNSHIP DETAILS 2020-2021 (as on date)

COMPANY	NO. OF STUDENTS
AADOX	01
ACCENTURE	06
APTISMART	01
BAHWAN CYBERTEK	01
BRDGESPAN CONSULTANTS	01
CAMPUSARMY	02
FIND MIND ANALYTICS	01
GRAHAA SPACE	01
HAMARI PAHCHAN NGO	01
KANISH CONSTRUCTION	01
NEW GEN SOFTWARE TECHNOLOGY	01
NORTON LIFELOCK	01
PICK YOUR TRAIL	01
SHINE PROJECTS	02
SPEED LABS	03
TRELL EXPERIENCE PVT. LMT	01
THE SPARKS FOUNDATION	01
THINK SYNQ	03
TMHM HYDERABAD	01
URJANET	02
VALEO INDIA PRIVATE LIMITED.	01
WISEN IT SOLUTIONS	21
WITY TECHNOLOGY CORPORATION PVT. LTD	01

INTERNSHIP DETAILS 2020-2021 (as on date)

XTRACUT	02
ZOHO	01
TOTAL	58
Total No. of Students Placed	58
Total No. of Companies	26

EVENTS



International Conference

Topic : International Conference on Networking
Date & Time : 9 th APRIL 2021 & 10th APRIL 2021
Guest Speaker : Dr. Korhan Cengiz, Dept of Electrical Electronics Engineering, Trakya University, Turkey
No.of Students participated : 160



International Workshop on Data Science

Date & Time : 19.04.2021 to 29.04.2021 & 10.30 AM to 11.30 AM
Topic : Workshop on Cyber Security
No.of Students participated : 350



Workshop on Cyber Security in association with TCS

Date & Time : 26.04.2021 to 30.04.2021 & 9.00 AM to 11.00 AM
Guest Speaker : Vijayakumar Kaliaperumal, Consultant, TCS
Thrilogasundari Badrabagu, Associate Consultant, TCS
Topic : Workshop on Cyber Security
No.of Students participated : 142



Professional Society-ACM Student Chapter

Date & Time : 5.5.2021 & 11.00 AM to 12.00 PM
Guest Speaker : Dr.K.Paramaguru, Founder, Paramaguru fitness center
Topic : Social Awareness Programme: Cure health complications and prevent from Corona
No. of Students participated : 100



Webinar - Higher Studies awareness program

Date & Time : 12.5.2021 & 1.30 PM to 2.30 PM
Guest Speaker : Mr.H.Abdul Navas, Senior Manager, Scoregetter pvt ltd.
Topic : Webinar on Importance of the Higher studies in abroad
No. of Students participated : 45



Webinar

Date & Time : 15.5.2021 & 11.00 AM to 12.00 Noon
Guest Speaker : Mr.Murugan Chidambaram
Topic : NextGen Opportunities
No. of participants : 107



International FDP

Date & Time : 10.05.2021 to 21.05.2021 & 10 AM to 11 AM

Topic : Trends and Challenges in Machine Learning and Deep Learning

No. of Faculties participated : 349

Target Audience : Faculties and Research Scholars



ONE WEEK INTERNATIONAL FACULTY DEVELOPMENT PROGRAM

Type : Faculty Development Program

Date : 25.5.2021 to 29.5.2021

Topic : Artificial Intelligence Integrated Web Services

No. of persons Registered : 440

No. of Participants : 319



DATE/TIME	RESOURCE PERSON	TOPIC	PHOTO
25.05.2021 10am-11am	Dr.S. Usha Kiruthika SRMIST, Kattankulathur	Basics of AI	
26.05.2021 3pm-4pm	Mrs.RoseOviya Ramasamy, Investment Banking Industry, Newyork city, USA	AI-AWS	
27.05.2021 9am-10am	S. Gowtham, Senior Systems Analyst, Ranco Systems,Chennai	AI - Web and Mobile Development	
28.05.2021 10am-11am	BharamidhamChokkanathan, Contcast India Engineering Centre, Chennai	AWS serverless application	
29.05.2021 10am-11am	M.Chandrasekar, Web Developer, Rightrev, Chennai	Web development.	

DAY
1



DAY
2



DAY
3











DAY
4



DAY
5



ALUMNI TALK SERIES

S. No	Activity	Alumni Visited	Date	Title
1	ALUMNI TALK-1	Poojitha Prasadashankar Pursuing Ph.D in Environmental Science specialisation in Corporate Social Responsibility and Sustainability Oklahoma State University, USA Alumni 2019 Passed out	20-04-2021	Higher Education in Abroad
		 		
2	ALUMNI TALK-2	Vijayashwara Vijayarany Software Engineer Marico Simlahaad Alumni 2019 Passed out	22-04-2021	Placement preparation strategies for postgraduates
		 		
3	ALUMNI TALK-3	Mahalaxmi Prasadhar Data Science Specialist Integrated Health Informatics Systems Singapore Alumni 2017 Passed out	25-04-2021	How to start a Career in Data Science
		 		
4	ALUMNI TALK-4	Rishabh Rajendran Oracle ERP Cloud Consultant Technical Lead KPMG Global Services Bangalore Alumni 2014 Passed out	27-04-2021	Oracle ERP Cloud World - How ERP implementation works?
5	ALUMNI TALK-5	Mr. Ganesh Ram Rajakumar Senior Software Engineer Newgen Software Chennai 2017 passed out	(24-5-2021)	Technical Interview Preparation Guidance
		 		
6	ALUMNI TALK-6	Anubhasan TR Product Engineer at Go-Jek Singapore Alumni 2012 Passed out	(19-05-2021)	Technical Interview Preparation Guidance

ARTICLES



TOP DEEP LEARNING START-UP'S IMPACTING AGRICULTURE

I. Berigo – Agri Information Management System

Agricultural productivity depends on a lot of environmental variables such as weather, groundwater reserves, and soil health. These cause differences in yield even in nearby fields or, sometimes, in different areas of the same field. Precision agriculture aims to minimize this variability by combining remote sensing with artificial intelligence (AI).

The Canadian startup Berigo develops an information management system (IMS) for agriculture. The startup uses powerful deep learning algorithms to detect pixel-by-pixel changes in stacks of satellite images collected weekly. Their analysis enables decision making in precision agriculture by identifying parameters such as underperforming fields, nutrient deficiency, pest damage, and missed fertilizer stripes.

II. AbuErdan – Livestock Monitoring

Animal welfare in the poultry industry focuses on the care of individual chickens at a farm. It mitigates some ethical concerns, improves community health, and increases yield. However, round-the-clock manual monitoring of all chicken is an uphill task. Deep learning algorithms that analyze camera feeds to monitor all birds are attractive solutions.

AbuErdan is a US-based startup that builds a livestock management system for poultry. The system uses deep learning networks and predictive analytics to predict the performance of chicken from past performance and historical data while also enabling better breeding decisions to improve the quality of poultry. The startup's solution additionally helps breeders plan and manage the entire poultry value chain

III. Klimazone – Climate Recipes

Variability between different plants of the same crop causes differences in their growth and yield. Growing them in controlled environments minimizes this variability. However, it is not a feasible solution for large tracts of land. Vertical farming and climate recipes address the limitations of space and variability, respectively. A climate recipe is a set of environmental conditions that cause a desired outcome in the plants.

IV. Bilberry – Intelligent Spot Spraying System

Farmers use herbicides to eliminate weed growth in agriculture. However, their unchecked use has a considerable environmental impact and contributes to the development of herbicide-resistance among weeds. Solutions that replace carpet spraying of herbicides with more precise use reduce costs and mitigate undesired effects that come from their overuse.

Bilberry is a French startup that develops an intelligent spraying system for efficient weed control. The startup uses cameras mounted on sprayers and deep learning-based recognition algorithms for precise, real-time application of herbicides. It also maps weed distribution to improve its precision with use and for better agricultural process management

V. AgroScout – Image-Based Anomaly Detection

Plant diseases such as blight and gall ruin a lot of crops annually. Symptoms of these diseases are often first noticed in leaves as spots or lesions. However, the wide variety of leaves makes general detection algorithms impractical. Deep learning algorithms overcome this challenge and detect crop diseases by scanning leaves.

Israeli startup AgroScout works on an image-based anomaly detection solution to detect crop diseases from visual inspection of leaves. Their platform is cloud-based and collects images from both drones and smartphones. It also incorporates data from weather, satellite, and other local sensors. The algorithms detect diseases in early-stage and, thus, reduce pesticide use costs.

ROHITH M
JV 1A Year, JT - 'B'