NEWSLETTER

SHABDHKOSH

NAGARJUNA
College of Engineering & Technology

DEPARTMENT OF CSE(AIML)

PRINCIPAL

Dr. B V RAVISHANKAR

HOD

Dr. R VIJAYANAND

www.ncet.co.in

by Priyadith Gowda

Title

VISION

Excellence in creating globally competent professionals and leaders in the field of Computer Science & Engineering [AI/ML]

MISSION

M1: Creating Excellence in Computer Science &Engineering [AI/ML] through Academic Professionalism For The Changing Needs Of The Society.

M2: Establishing Centre Of Excellence For Research And For Technical Development In The Area OfComputer Science &Engineering [AI/ML]

M3: Developing Communication Skill, Teamwork And Leadership Qualities For Continuing Education Among The Students, Through Project-Based And Team-Based Learning.

M4: Inculcating Ethics And Human Values For Sustainable Societal Growth And Environmental Protection.

M5: Empowering Students For Employability, Aspiring Higher Studies And To Become An Entrepreneur.

HOD'S MESSAGE

I welcome you on the behalf of Artificial Intelligence and Machine Learning Department, NCET, Bengaluru. We are a small family today and growing at a rapid pace. The faculty's expertise in various fields and the variety of students from multiple states of India make the department as a place for quality teaching and research. The department provides state of the art lab facilities to the students and faculties. We currently encourage research on areas like Artificial Intelligence, Machine Learning, Computer Security, Computer Vision and other Inter-disciplinary fields.

In AIML department, we continuously monitor the students by assigning separate mentors and motivate them to participate in the national level competitions. We provide support to publish their papers in reputed conferences and journals. We guided the students with the motto of 'dream offer' placements and counselled them for their company start-up. As the head of department, I gladly invite students and faculties to look forward AIML Department and NCET as a destination for employability skill development, high end research and teaching in India.

National Conference Organised by Nagarjuna College ofEngineeringandTechnologyfocusingonMulti-DisciplinaryResearchandDefenceCareer

The National Education Policy of India enlightens and focuses on the skilldevelopment of youths in multi-disciplinary domains to fulfil societal needs. A multi-disciplinaryNationalConferencewiththetheme**"EMERGINGTRENDSANDRECENTINNOVATIONSINENGINEERINGANDTECHNOLOGIES"**isinauguratedon22[nd]April2022 atNagarjunaCollegeofEngineeringandTechnology,BengalurubytheDepartmentofComputerScienceandEngineering and AIML was the part of the conference.

The Conferencewas inaugurated by lightningthe lamp by the dignitariesDr.YashwantN.ManipalInstituteofTechnology,Manipal,Dr.S.G.GopalKrishna,Director,Dr.B.V.RavaishankarPrincipal,SriManishRanjanandDr.DineshaH.A.Prof&HODCSE ,ofNagarjunaCollegeofEngineeringandTechnology, Bengaluru. The Conference has received research papers on multipledomainsfrom different states of India. The presented papers are considered forconference proceedings and publication onInterrnational journals. The soft copy ofthe conference proceedings is released on this occasion. The faculties, students anddelegatesfromvariousregionsparticipated inthe blendedmode.

Drones on Mosquito control

Most recently, drones are being considered to support mosquito control. One of, if not <u>the most dangerous</u> creatures on Earth, mosquitos have been spreading deadly diseases to humans for centuries. The latest plague they're spreading is the Zika virus, and current methods of preventing mosquito-borne diseases continue to be highly inefficient.

Traditional methods such as helicopters, planes or ground workers with handheld sprayers also fall short in obtaining significant data from animals that live in harsh environments—drones could be the answer. By catching mosquitos, drones can help scientists to better understand and respond to the way diseases become epidemics. They can detect, catch and

take blood samples of mosquitos to help them better mitigate the potential for infectious disease outbreaks before they become wide-spread health disasters.

Drones for Mosquito Control

Not only in an effort to study these dangerous insects, but to effect more immediate results, drones are set to be the future of mosquito control. For instance, Ascension Parish, a small district in the state of Louisiana, recently bought a drone in time for peak mosquito season. This June, Ascension launched the drone to fly, hover and spray up to 20 pounds of chemicals at a time in hard-to-reach areas where mosquitos breed. There, a private mosquito control company has also been using drones to scout for breeding sites to kill larvae found in standing water, removing the next generation of mosquitos before they take flight. This method is one of the best ways to control the population of mosquitos and prevent the spread of disease to humans.

With drones, operators can spray with greater precision, which will allow the company to save on cost, improve worker safety and limit environmental impact unlike more commonly applied aerial methods. Drones outfitted with cameras can also survey hard-to-reach breeding sites and enable the rapid, repeatable and safe collection of high-resolution imagery. Aerial mapping with drones can be used to conduct site surveys and track job progress while conducting real-time data gathering and analysis.

DETAILS OF FDP'S/WORKSHOPS ATTENDED BY FACULTY

APRIL 2022

S.NO	NAME OF THE FACULTY	PROGRAMME DETAILS	DATE
1.	SARAVANAN.S	"Fine tuning of NEP compliance syllabus disciplines under CSE Board of VTU	20/04/2022
		"An overview of Teaching techniques in Data science and Analytics"	25/04/2022 to 29/04/2022
		"Perspective amelioration in computing via IOT in real time applications	11/04/2022 & 12/04/2022
		"Big Data Analytics and machine learning"	26/03/2022 to 01/04/2022
		"Combating the global pandemic through motivation using life skills"	04/04/2022
		"Emerging technologies"	28/03/2022 to 01/04/2022
2.	BHAVYA R A	"Fine tuning of NEP compliance syllabus disciplines under CSE Board of VTU	20/04/2022
		"An overview of Teaching techniques in Data science and Analytics"	25/04/2022 to 29/04/2022
		"Perspective amelioration in computing via IOT in real time applications	11/04/2022 & 12/04/2022
		"Big Data Analytics and machine learning"	26/03/2022 to 01/04/2022
		"Combating the global pandemic through motivation using life skills"	04/04/2022
		"Emerging technologies"	28/03/2022 to 01/04/2022
3.	PRATHIBHA B N	"Fine tuning of NEP compliance syllabus disciplines under CSE Board of VTU	20/04/2022
		"An overview of Teaching techniques in Data science and Analytics"	25/04/2022 to 29/04/2022
		"Perspective amelioration in	11/04/2022 & 12/04/2022

		computing via IOT in real time applications	
		"Big Data Analytics and machine learning"	26/03/2022 to 01/04/2022
		"Combating the global pandemic through motivation using life skills"	04/04/2022
		"Emerging technologies"	28/03/2022 to 01/04/2022

SPORTS DETAILS

Physical Education is an integral part of the total education system. It helps in the attainment of the ultimate aim of education i.e. the achievement of holistic development. Games and Sports.

From the beginning of session our college sports person of respective games (Football, Judo, Cricket, Volleyball (Men & Women), Chess (Men & Women), Table-tennis (Men & Women), Athletics (Men & Women), Ball-Badminton (Men & Women) Boxing (Men & Women) and Taekwondo) start their practice session and they work very hard for converting their sweat in winning trophies

Basketball
Our day was made as we won the matches till the finals with but lost in the finals with a runner up trophy.

DETAILS OF FDP'S/WORKSHOPS ATTENDED BY

FACULTY

MAY 2022

S.NO	NAME OF THE FACULTY	PROGRAMME DETAILS	DATE
1.	SARAVANAN.S	"NATIONAL LEVEL FACULTY EMPOWERMENT PROGRAM"	09/05/2022 T0 13/05/2022
		"DATA VISULAISATION USING SEABORN PACKAGE"	30/05/2022
		"CLOUD COMPUTING TOOLS TECHNOLOGIES AND RESEARCH GROWTH"	27/05/2022
		"GLOBAL DIGITAL EPOCH(AN IT VIRTUAL CONCLAVE)	20/05/2022
2.	BHAVYA R A	"NATIONAL LEVEL FACULTY EMPOWERMENT PROGRAM"	09/05/2022 T0 13/05/2022
		"DATA VISULAISATION USING SEABORN PACKAGE"	30/05/2022
		"CLOUD COMPUTING TOOLS TECHNOLOGIES AND RESEARCH GROWTH"	27/05/2022
		"GLOBAL DIGITAL EPOCH(AN IT VIRTUAL CONCLAVE)	20/05/2022
3.	PRATHIBHA B N	"NATIONAL LEVEL FACULTY EMPOWERMENT PROGRAM"	09/05/2022 T0 13/05/2022
		"DATA VISULAISATION USING SEABORN PACKAGE"	30/05/2022
		"CLOUD COMPUTING TOOLS TECHNOLOGIES AND RESEARCH GROWTH"	27/05/2022
		"GLOBAL DIGITAL EPOCH(AN IT VIRTUAL CONCLAVE)	20/05/2022

INTER-DEPARTMENT SPORTS MEET 2022

Participants are:
1. PREETHI.A
2. RACHANA.A
3. VARSHINI K.S
4. ALICE DAISY
5. SHRESTA.U
6. BINDU.B
7. VAISHNAVI
8. ROHINI
9. NEHA

HUSTLE

MAY 23TH TO 28TH
AI & ML GIRLS
"Our goal?", Stoping yours :

"Physical education is the foundation of a Comprehensive School Physical Activity."

Sports is one such activity which helps us in maintaining a proper physique and a positive mentality which helps to enhance the academics . In our college there was an event where we participated from our department to showcase our talent .We had a funfilled and a knowledgeable team.We do participared in games like Cricket,Throwball

Industrial Visit

We have organized Industrial visit from the Dept. of CSE (AIML) on 22nd July 2022.Theopportunity for multi-displinary approach. The StudentsExposed awareness of the benefits of technologies amongst common citizens and government administrators.

The Students got to know innovative thinking on matters of public policy, training to the employees in a company and the discipline way the activities carried out.

The visit was very fruitful as 47 members including students and faculties visited the Silvers Spark Apparel ltd Gowribidanur.Students expressed their gratitude towards HOD, NCET for granting to conduct this industrial visit.

Faculty Achievements

Prof. Saravanan S, Prof. Bhavya R A and Prof. Prathibha B N three of them have attendedNational Intellectual Property Awareness Mission and Six days FDP attended on Artificial Intelligence and Data Science from 11-07-2022 to 16-07-2022.