



VIGNAN'S
Foundation for Science, Technology & Research
(Deemed to be UNIVERSITY)
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A Chronicle of Campus Events

15 & 16 April 2024

“Guest Lecture on Precision Farming and Advanced Micro Irrigation: Enhancing Sustainable Agriculture Practices”

Resource Person
Hearty Welcome to
Mr. A.S. SUBBARAO,
AGM-(Agronomy)
Netafim Irrigation India Pvt.Ltd.
Hyderabad

Convener
Dr. N. Narayan Rao
Assoc.Prof & HoD, Agricultural Engineering

Co-Convener
Dr. Mahesh Hadole
Asst. Prof., Agricultural Engineering

Guest Lecture
ON
"PRECISION FARMING -
ADVANCED MICRO IRRIGATION SYSTEMS"

Organized by
Department of Agricultural
Engineering
VIGNAN'S
Foundation for Science, Technology & Research
(Deemed to be UNIVERSITY)
-Esttd. u/s 3 of UGC Act 1956

Date : 06th April, 2024
Time : 11.00 AM
Venue : Sangamam Seminar Hall,
A- block 5th Floor.

Vadlamudi, Guntur District - 522213. A.P., 0863-2344700

On April 6, 2024, the Department of Agricultural Engineering organized a guest lecture on Precision Farming and Advanced Micro Irrigation at Sangamam Seminar Hall, A-block, 5th Floor. A total of 168 students and 17 faculty members attended this informative webinar, which was open to students of Agriculture BSC and Agricultural Engineering.

The chief guest of the event was Mr. A. S. Subbarao, Agm. (Agronomy), Netafim Irrigation India Pvt. Ltd. Hyderabad he addressed the gathering, explaining the concept of “Precision Agriculture and its significance in modern farming practices”. He also discussed the importance of advanced microirrigation and its role in enhancing crop yields. Furthermore, he highlighted the key factors that impact precision farming and their implications for overall agricultural productivity.



Also, he elaborated on various soil characteristics and how plants absorb essential nutrients for their growth and the relationship between plants, soil, and sunlight by emphasizing the importance of water and soil in plant respiration. He then delved into the basic components of precision farming and advanced microirrigation systems, along with their applications and benefits, their positive impact on crop yielding, and how these practices can lead to increased agricultural productivity.

Mr. Subbarao provided insights into the appropriate use of fertilizers, herbicides, and pesticides through Advanced Micro Irrigation Systems, along with the recommended quantities for different field crops. He also emphasized the importance of primary nutrients for better plant growth and how plants respond during the day and night. and then explained the optimal use of fertilizers for better plant growth, considering factors such as soil type, climate conditions, and crop type. He also discussed the performance and efficiency of micro-irrigation systems, installation, and design considerations, as well as the factors affecting the design of micro-irrigation systems in actual field conditions.



Later, the discussion included various agricultural measures to control weed growth and methods to conserve soil nutrients for better plant growth. The students actively participated by asking questions and clarifying their doubts, ensuring a comprehensive understanding of the current concepts. The internal faculty members then felicitated Mr. A. S. Subbarao for his insightful and informative guest lecture on precision farming and advanced microirrigation. This interactive session allowed the attendees to further their knowledge and gain practical insights into these modern agricultural practices, ultimately contributing to the development of sustainable agriculture.

Staying Safe and Healthy During Summer: Precautions and Tips for a Comfortable Season

Beware, everyone, As summer approaches, it is crucial for each of us to prepare for our existence. The season brings various challenges, with some individuals working under the comfort of a roof, while others are exposed to the scorching heat of the sun. We must all strive to ensure our survival.

This summer, it is of utmost importance to take precautions for our well-being. The hot weather can lead to dehydration, which can have severe consequences for our health. To maintain our overall wellness, we must be extremely vigilant about our health and hydration levels.

Ensure you drink plenty of water throughout the day, and avoid engaging in strenuous activities during the hottest parts of the day. Protect yourself from the sun by wearing hats, sunglasses, and applying sunscreen. Dress in light, breathable clothing to keep yourself cool and comfortable.

For those working outdoors, take regular breaks in shaded areas, and make sure to replenish your body with electrolytes and hydrating fluids. If you feel any signs of heat exhaustion, such as dizziness, headache, or nausea, seek immediate relief and hydration.

In summary, as we face the challenges of summer, let us all prioritize our health and safety by taking the necessary precautions. By doing so, we can enjoy a more comfortable and secure existence throughout this season.



Birthday Wishes
Students, Staff and Management wishes

Happy Birthday to
16.04.2024

Mr. G. Mallikarjuna Rao
Sr. Asst., EEE

Dr. D. Sudhir Babu
Asst. Prof., MBA

Dr. Amit Kumar Singh
Asst. Prof., BM

Mr. Suddapalli Anil Babu
Fitter, WS
15.04.2024

Mr. D. Ramesh
Lib Assist., Library

Mr. Neela Praveen
Attendar, S&H

Mr. Tulluri C Anil Kumar
Asst. Prof., MECH

Mr. Ch. Phaneendra Kumar
Lab Techn., Civil

Mr. Bhusiraju Venubabu
Media Assistant, Media
14.04.2024

Dr. Murala Bhumi Reddy
Asst. Prof., ECE



PG Dept. wise consoldt. attend. (1st hour) (Excluding Blocked Students)

Branch	Strength	Absent	Present	%
MCA	63	63	46	73
MBA	259	259	175	67
OC	21	21	8	38
CHEMISTRY	5	5	0	0
TOTAL	348	348	229	65

Staff Attendance Details on 16-04-2024

Staff	% of Attendance	% of Staff on duty	% of Staff on Leave	% of Staff on Absent
Teaching	91.33	9.73	8.25	0.42
Non teaching	94.28	21.25	5.45	0.27

Vignan Priyadarshini Girls Hostel 15.04.2024

Time	Present	Absent	Total	Wastage in kgs
Breakfast	-	-	-	-
Lunch	-	-	-	-
Snacks	-	-	-	-
Dinner	-	-	-	-

NTR Vignan Library 15.04.2024

NO. OF VISITORS (STUDENTS)	1877
NO. OF VISITORS (STAFF)	100
NO. OF BOOK ISSUES	104
NO. OF BOOK RETURNS	128

Vignan Vihar Boys Hostel 15.04.2024

Time	Present	Absent	Total	Wastage in kgs
Breakfast	1538	111	1649	14
Lunch	1628	21	1649	22
Snacks	1573	76	1649	13
Dinner	1604	45	1649	20

Finance 15.04.2024

Particulars	Amount in Lakhs
Dr. CH.Jithendra, HOD, Pharmacy Dept	5,000
Sree Ramasai Office Solutions, Pvt Ltd	5,310
Dr.Shubhalakshmi Sengupta PI	640
K.Rachananjali, Asst.Prof.EEE Dept	2,837
S V Ramana, Jr. Asst., Student Affairs	44,982
A.Lokaditya, Sr.Asst.	15351
A.Lokaditya, Sr.Asst.	3000
Dr. T Naresh, Asst.Prof. AHS	2735
913 - Printing & Statin Exp	1200
Dr.M.S.S.Rukmini, Dean, Students Affairs	26400
A.Lokaditya, Sr.Asst.	8233
C.Kalyan Chakravarthy, I/c Work Shop	4484
T.Chiranjeevi, Massionery Worker	100000
J.Kiran Raju,Odisha Workers - AHS	6758
Nagendra Rao Howji Assr Prof	4600
Dean R&D Dept.	1297
Director - (AHS)	7733
DEAN,ACADEMICS - IMPREST	11235
HOD Pharmacy	5976
Sri Sri Murthy Digitals, VJA	43800
Dr.T.C.Venkateswarlu, HOD, Bio-Tech Dept	6189
211 - Professional Societies Membership	4681
A.Lokaditya, Sr.Asst.	6000
211 - Professional Societies Membership	4104
Sunrise Power Solutions	41713
K.Sujatha,Tractor	24079
S Anil Kumar, Assoc Prof, Bio Tech	6280
HOD, Bio - Tech Dept.	17258
Integrated Electronic, Chennai	21000
LT POWER SERVICE	42235
Fee Collection from students - 141	75,81,060
TOTAL	80,56,170

Diploma Dept. wise consoldt. attend. (1st hour) (Excluding Blocked Students)

Branch	Strength	Absent	Present	%
DECE	9	9	9	100
DCESE	77	77	66	85
TOTAL	86	86	75	87

M.Tech Dept. wise consoldt. attend. (1st hour) (Excluding Blocked Students)

Branch	Strength	Absent	Present	%
FM	2	2	--	--
MD	1	1	1	100
FT	5	5	5	100
CSE	14	14	12	85
CIVIL	3	3	1	33
TOTAL	25	25	19	76

Lunch Availed by Staff 16.04.2024

'A', 'H', 'U' & 'N' Block	380
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Girls Hostel Students Information Date : 15-04-2024

Total No. of students in hostel	Presen-tees	Students went to outing	
1698	1596	93	
Total no. of students attending for study hours	Attended	Not Attended	
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Total no. of students engaging in sports/NCC	Participated	Not participated	
Sports -100 NCC-50	0	150	
No. of sick students in the hostel UG			
1 st year	2 nd year	3 rd year	4 th year
0	0	0	0

B.Tech. Dept. wise consoldt. attend. (1st hour) (Excluding Blocked Students)

Branch	Strength	Absent	Present	%
CIVIL	53	53	43	81
DS	55	55	45	81
BI	198	198	160	80
CHEM	34	34	27	79
S&H	2756	2756	2143	77
TT	18	18	14	77
AIANDML	289	288	220	76
BIOTECH	328	328	248	75
EEE	138	138	104	75
RA	28	28	21	75
CSE	1496	1496	1118	74
CSECS	143	143	99	69
IT	318	318	206	64
EOE	580	580	371	63
MECH	85	85	53	62
BM	103	103	56	54
CSBS	71	71	31	43
AG	81	81	32	39
FT	84	84	29	34
AME	12	12	0	0
PE	2	2	0	0
TOTAL	6872	6871	5020	73

UG Dept. wise consoldt. attend. (1st hour) (Excluding Blocked Students)

Branch	Strength	Absent	Present	%
BCA	187	187	126	67
BBA	327	327	203	62
B.Pharm	95	95	51	53
BSC HONS	204	201	104	50
BSC	78	78	34	43
TOTAL	891	888	518	58

LAW Dept. wise consoldt. attend. (1st hour) (Excluding Blocked Students)

Branch	Strength	Absent	Present	%
B.B.A(LLB)	36	36	33	91
B.A (LLB)	45	45	40	88
TOTAL	81	81	73	90

Branch Wise Attendance Entry Status Report 16-04-2024

Branch Name	Total No of Periods	No of Periods Posted Attendance In-Time	No of Periods Posted Attendance Late
S&H	279	78	201
BIOTECH	175	39	136
CSE	143	38	105
BI	90	18	72
ECE	82	21	61
MECH	51	13	38
FT	33	7	26
CIVIL	31	7	24
IT	43	20	23
AIANDML	34	11	23
TT	25	5	20
RA	26	7	19
BM	26	8	18
EEE	22	5	17
CHEM	16	2	14
CSECS	21	9	12
AG	12	4	8
DS	9	3	6
CSBS	12	8	4
PE	7	4	3
TOTAL	1137	307	830

One thing you can't recycle is wasted time.