



ICAR-NAHEP-IG Project

on

**“Digitisation of Library for Information
Services to Strengthen and Develop
Competitive Human Resources at Agricultural University”**

**Annual Progress Report
2019-20**

Principal Investigator

Dr. D. M. Chandargi

Director of Extension

UAS, Raichur

**National Agricultural Higher Education Project
Innovation Grant [ICAR - World Bank Project]**

**University of Agricultural Sciences
UAS, Raichur, Karnataka - 584104, India
<https://nahep-iguasr.in>**



NAHEP



ICAR-NAHEP-IG Project

on

**“Digitisation of Library for Information
Services to Strengthen and Develop
Competitive Human Resources at Agricultural University”**

**Annual Progress Report
2019-20**

Principal Investigator

Dr. D. M. Chandargi

Director of Extension
UAS, Raichur

**National Agricultural Higher Education Project
Innovation Grant [ICAR - World Bank Project]**

University of Agricultural Sciences

UAS, Raichur, Karnataka - 584104, India

<https://nahep-iguasr.in>

Title : **Annual Progress Report - 2019-20** of ICAR-NAHEP-IG Project on
“Digitisation of Library for Information Services to Strengthen and
Develop Competitive Human Resources at Agricultural University”

Published by : ICAR-NAHEP-IG of University of Agricultural Sciences, Raichur

Printed : April, 2021

Pages : 30

Compiled & Prepared by :

Dr. D. M. Chandargi

Principal Investigator (NAHEP-IG)
UAS, Raichur

Dr. A. S. Halepyati

Nodal Officer of ESP
UAS, Raichur

Dr. Pramod Katti

Nodal Officer - ICAR and GRM
UAS, Raichur

Dr. Prabhuraj A.

Nodal Officer of EAP
UAS, Raichur

Dr. Basavaraj Makanur

Research Associate

Dr. Mallikarjun

Research Associate

Mr. Jitendra Jegarkal

Network Technician and Computer Operator

Copy right : UAS, Raichur & ICAR-NAHEP, New Delhi

Designed & Printed at :

Shri Bhavani Offset Pritners

Hubballi.

Ph.: 9448116253

FOREWORD

National Agricultural Higher Education Project (NAHEP) of ICAR funded by World Bank is designed to strengthen the agricultural education system in India by promoting efficiency and competitiveness of students and faculty. I thank ICAR-NAHEP for sanctioning IG Project to our University to elevate the quality of information services through digitisation of University libraries at Raichur, Bheemarayanagudi and Kalaburagi teaching campuses. The project envisages at transforming the educational horizons of UG and PG students and faculty to pursue and perceive knowledge and information through libraries' as digital hub so as to enhance the quality in learning process.

Under the project, I understand that the capacity building process designed in the project is tailor-made and multiple technical programmes are designed to cater the educational needs of students and faculty through short courses, seminars and workshops by acquainting with e-resources and IOT, ICT applications, industry-university linkage that pertain to agricultural sector.

I express my satisfaction of the work carried out by Principal Investigator Dr. D. M. Chandargi and his team of Scientists working all along to achieve the intended objectives of the project through best means and methods. The Annual Report brought out reflects substantial progress made in achieving the target set forth planned during the year 2019-20.



(K. N. Kattimani)
Vice-Chancellor

Annual Progress Report - 2019-20

PREFACE

It is a matter of pride to say that UAS, Raichur is successfully implementing the NAHEP-IG Project. I am grateful to ICAR for sanctioning the project to UAS, Raichur located in Kalyana Karnataka region.

NAHEP (IG) project is instrumental to reinforce Agricultural Education System by empowering the knowledge base of the faculty and students through easy access to e-resources. It is intended to enhance their performance through inculcating the qualities in improving their efficiency, learning skills and preparing for better employability.

Under the project, UAS, Raichur is sanctioned Rs. 499.95 lakh for developing the library as “knowledge hub” and serving the students and faculty with the required and adequate information on various technical subjects, current affairs and advancement in agricultural sector that are taking place to help in transforming knowledge base. Under the project, it is envisaged to provide tangible benefits of IOT, e-resources and creating information highway pertaining to curriculum and co-curriculum activities through innovative learning mechanism and building students career with confidence. During the year 2019-20, the targeted and issue based programmes have been successfully completed and more than 500 students and faculty have gained the usufructs of the project.



(D. M. Chandargi)
Director of Extension &
Principal Investigator

CONTENT

Sl.No.	Particulars	P.No.
	Foreword	
	Preface	
I.	Background of the project & Project details	1
II.	Activities under the Project	1
A	Creation of Infrastructure Facilities	6
B	Capacity building activities (Equity action plans)	6
1.	Workshops/ Meetings /Fair/Seminars	6
2.	Trainings /Other Activities	12
3.	Participation in national conferences	13
4.	Short Certificate Course	14
5.	Guest Lecture/Awareness Programmes	17
III.	Environmental sustainability plans	19
	Green Graduation programme	
IV.	Annual financial progress report for the year of 2019-20	21
V.	Outcomes of the Project	21

I. Background of the project & Project Details

The world of Libraries and Information Centres has been witnessing a sea of changes due to its development and deployment of information and communication technologies which have not only changed the way information is generated, organized, stored and distributed but also through indispensable tools for teaching, learning and research. Since the new technologies are forever redefining the model of delivering instruction and service to keep pace with the technological advancement in Information and Communication Technology to meet the expectations of the users. The University Library is making sincere efforts to establish a modern knowledge management based library to cater to the needs of students pursuing higher education in agriculture and allied fields in Hyderabad Karnataka region of the state. There is a paradigm shift happening in the concept of library transforming from brick to click, analogue to digital and from collection to connection.

Against this background to equip the libraries of UAS, Raichur a project was planned, prepared & submitted to ICAR-NAHEP (IG) with the following objectives

OBJECTIVES:

- To improve quality of agricultural education by allowing students to use digital facilities to access information
- To empower students to convey a richer message through the use of multimedia and hypermedia technologies
- To empower other universities to unlock the information resources and to advance digital library technology
- To strengthen the libraries of constituent colleges of the university with e-resources to facilitate the process of accreditation

The project was approved and sanctioned by ICAR-NAHEP (IG) for a budget outlay of Rs. 499.95 lakh for a period of three years

II. Activities under the Project

A. Creation of Infrastructure Facilities

1. Web designing and providing remote access for the members to access e-resources.
2. Digitisation of Thesis, Reports, Orders, Course materials, Lab manuals, Question bank using DSpace and providing remote access for constituent colleges of the University etc.,
3. Plagiarism check tools like 'Turnitin', Language Proficiency Skills using 'Grammarly' software and SPSS Statistical analysis software, Subscription of IndiaStat.
4. e-books (Related to agriculture)
5. installation of RFID system for security purpose in library
6. Implementation of Koha-Retro conversion of databases - Installation and implementation of Koha Library Management software -Making access for android using Koha, OPAC application

B. Capacity Building Programme

1. Short certificate courses for students and faculty on internet of things, handling e-resource etc., through National Academy of Agricultural Research Management (NAARM).
2. National trainings to faculty through National Institute of Science Communication and Information Resources (NISCAIR), Developing Library Network (DELNET) and National Academy of Agricultural Research Management (NAARM) etc.,

C. Personality Development Programme

International Trainings/Seminars to faculty through IFLA (International Federation of Library Associations and Institutions), ALA (American Library Association) and Commonwealth development programmes of CSC (Common Service Centre), FID (International Federation for Information and Documentation) etc., to have exposure about the library development activities

Detailed Plan for Environmental and Socio-economic Safeguard.

1. Activities under Environmental Sustainability Plan (ESP)

1. Tree plantation programme
In collaboration with forest department planted forestry tree species.
2. Green Graduation Day Programme
Green graduation day programme was initiated in campus by newly admitted UG students of College of Agriculture given responsibility and they were planted around 225 plants (one plant per student).
3. Initiating water harvesting structure
Initiated roof top rain water harvesting for farm pond collection and borewell recharge at College of Agricultural Engineering, Raichur.

4. Plastic free campus - In progress

2. Activities Under Equity Action Plan (EAP)

1. Gender representation and representation of SC, ST and Backward class as per NAHEP-IG guidelines.
2. Capacity building programme like Trainings/workshops selection of weaker students will be made particularly based on baseline survey like CGPA. After students exposure to trainings /workshops pre and post test will be conducted to assess the performance of students in terms 10 percent increase CGPA.
3. Faculty capacity building programme like international trainings and seminars selection will be based on social inclusion and acceptance of paper submitted by faculty. Later faculty performance assessed by 5 percent increase in NAAS rated publication.

3. Grievances Redressal Mechanism

Introduce and publicised widely, a three tier GRM at the (I) institution; (II) PIU & (III) Apex Level.

EXPECTED OUTCOMES

- Increase in the performance to the extent of 5-10 % in competitive exams such as Junior Research Fellow/Senior Research Fellow/Agricultural Research Service/competitive Scholarship/ Civil service examination.
- Increased enrolment of students (5-8% each year) for Agricultural education-by creating awareness of the university by showcasing strengths through websites and inter connectivity among other educational institutions.
- Make a name of university globally and getting brand name in terms of quality education and knowledge services-by submitting for ranking of university to different organisations for evaluation of standards and ranking.

Project details

Project Title: **Digitisation of Library for Information Services to Strengthen and Develop Competitive Human Resources at Agricultural University**

Year of implementation : **15.07.2019 with vide F. No.NAHEP/IG-2016/2019-20.**

Project outlay : **Rs. 499.95 lakh**

NAHEP-IG Project Implementation Unit : **Main Campus UAS, Raichur**

IG Centres : **College of Agriculture, Kalaburagi**

: **College of Agriculture, B'Gudi**

ICAR-NAHEP Project Team

Principal Investigator

Dr. D. M. Chandargi

Director of Extension
UAS, Raichur

Co-investigators

Dr. A. S. Halepyati : University Librarian
Nodal Officer
Environmental Sustainability Plan (ESP)

Dr. Pramod Katti : Nodal Officer (ICAR)
Grievances Redressal Mechanism (GRM)

Dr. Prabhuraj A. : Professor & Head (Agril. Entomology)
Nodal Officer
Equity Action Plan (EAP)

Dr. Machendranath S. : Deputy Librarian
UAS, Raichur

Dr. Krishna Maraddi : Assistant Librarian
College of Agriculture, Kalaburagi

Dr. Sangeetha B. G. : Assistant Librarian
College of Agriculture, B'Gudi

NAHEP-IG Human Capacity Building Activities - 2019-20

Sl. No.	Name of activity	Project implementation Unit, CoA, Raichur		IG centre –I CoA, Kalaburagi		IG Centre – II CoA, B'Gudi	
		Students	Faculty	Students	Faculty	Students	Faculty
1. Workshops/ Meetings / Fair / /Seminars							
1.	Sensitization and Launch workshop of NAHEP-IG project on 27 th December 2019	126	15	128	3	150	3
2.	Interaction meeting for Students of UAS, Raichur with Agro Industrialists & Progressive Farmers on “Doubling Farmers Income by Making Agriculture a Profitable Venture” on 19 th February 2020	75	10	-	-	-	-
3.	Two days programme on “Agri Education Fair” 05-06 March 2020	50 (Science teachers) 600 (School/College students)		-	-	-	-
4.	Workshop on scope & opportunities in Agriculture and allied education for Principals & Science Teachers on 6 th March 2020	60 (Science teachers) 25 (College Principals)		-	-	-	-
5.	One day Seminar on “ICT Applications in Agriculture and Social Welfare Sectors” on 19-February 2020	-	2	63	5	348	15
2. Trainings / Other Activities							
1	National Training for faculty on “Technology Enhanced Learning” by NAARM on 25-31 January 2020	-	1	-	3	-	1
2	Personality Development Training Programme on 3-4 February 2020	-	-	-	-	66	-
3. Participation in National Conferences							
	Participation of CAE Students in the National Conference on “Role of Agricultural Engineering Innovations in Doubling Farmers Income” was held at UAS, Raichur during 12-14 th March 2020	10 students of CAE, Raichur					
4. Short Certificate Course							
1.	“Short certificate course” on E-Resource, E-Learning & IoT (Component –I) by NAARM 25-29 February 2020	25	10	20	-	5	-
2.	“Short certificate course” on E-Resource, E-Learning & IoT (Component –II) by MANAGE on 10-14 March 2020	25	10	20	-	5	-
5. Guest Lecture / Awareness Programmes							
1	Creating Awareness programme on IAS & KAS competitive exams 2 nd January 2020	100	20	-	-	-	-
2	Guest Lecture on “Intellectual Property Rights” on 24 th January 2020	50 (PG students) 15 (Faculty)		-	-	-	-
3	Guest Lecture on tips for cracking competitive exams on 12 th March 2020	85	-	-	-	-	-

II. Activities under the Project

A. Creation of Infrastructure Facilities

Ramps with railings

Ramps with railings facility created has helped in easy accessibility to resource for physically challenged faculty/students in assessing the resources at libraries of CoA, Kalaburagi/B'Gudi

B. Capacity Building Programmes (Equity Actions Plans)

I. Meetings/Fair/Workshops/Seminars

1. Sensitization & Launch workshop of NAHEP-IG project

The Sensitization & Launch workshop of NAHEP-IG project on “Digitization of Library for Information Services to Strengthen and Develop Competitive Human Resources at Agricultural University” was organized on 27.12.2019 at UAS, Raichur auditorium. The main objective is to familiarize participants with the concepts of digital library, & its usage and to facilitate understanding of digitization and practical knowledge of the digitisation process. The workshop was inaugurated by Dr. M. C. Sharma, Former Director and Vice-Chancellor of Indian Veterinary Research Institute, Izatnagar and Dr. R. B. Sharma, National Coordinator of NAHEP-IG spoke on the importance and scope of digitisation of libraries for upgrading the knowledge of students and also helps to cater the needs of human resource development in Kalyan Karnataka Region. About 500 students & 20 faculty members participated in the workshop.

Dr. K. N. Kattimani Hon'ble Vice-Chancellor UAS, Raichur Presided over the function and addressed gathering that students & faculty must get the benefit of the project by involving themselves in attending training/workshop/guest lecture under the project & Dr. D. M. Chandargi, Dean (Agri.) & PI, NAHEP-IG welcomed the guests and gave preamble of the project. Dr. A. S. Halepyati Prof. & University Librarian proposed vote of thanks. Dr. Pramod Katti, Administrative officer, UAS, Raichur anchored the function.

Later After inauguration of launch workshop Dr. A. S. Halepyati Prof. & University Librarian made presentation on activities under environmental sustainability plan of which green graduation day programme was initiated for newly admitted UG students at all the campuses with one plant per student.

Dr. Veeranjanyulu, Librarian & Head, NIT, Warangal made presentation on topics related to E-resource of library & their usage such as E-resource in agriculture, online open access resources, gateways of open access journals and art of writing and publishing in journals. Finally at the end of workshop two students from all campuses (4 Colleges) gave their feedback about launch workshop and presentation.

Sensitisation & Launch Workshop of NAHEP-IG Project on “Digitisation of Library for Information Services to Strengthen and Develop Competitive Human Resources at Agricultural University” on 27th Dec-2019



Hon'ble Vice-Chancellor Dr. K. N. Kattimani, welcoming Chief Guest Dr. M. C. Sharma



Inauguration and launching programme by Dignitaries



Release of NAHEP-IG Brochure



Dr. R. B. Sharma, National coordinator NAHEP-IG, addressing the gathering



Felicitation to Guests



Feedback by students on presentation of e-resources of library & their usage

2. Interaction meeting

Interaction meeting was organised for UG & PG Students of UAS, Raichur with Agro Industrialists & Progressive Farmers on “Doubling Farmers Income by Making Agriculture a Profitable Venture” on 19th March, 2020 at Seminar Hall, College of Agriculture, Raichur.

Interaction meeting for Students of UAS, Raichur with Agro Industrialists & Progressive Farmers on “Doubling Farmers Income by Making Agriculture a Profitable Venture” on 19th Feb, 2020



Two Day Agri-education Fair & workshop for School Principals/Science Teachers & Students on 5-6th March 2020



Dr. K. N. Kattimani Hon'ble Vice-Chancellor inaugurating Agri-education fair



Dr. A. G. Sreenivas, Professor of Agril. Entomology interacting with students



Inauguration of workshop by Dignitaries



Students gathering at fair

3. Two days programme on “Agri Education Fair”

Administrative officer of UASR and NAHEP Team made wide publicity on two days fair & workshop to nearby School/Colleges by giving invitation letter & poster regarding career opportunities in agriculture & allied sector for displaying in their College notice board. Two days “Agri Education Fair” for Science teachers & students was organised to create awareness on agricultural education system at College of Agriculture, UAS Raichur on 5th & 6th March, 2020. Hon'ble Vice Chancellor inaugurated the programme. During fair, specimens like bio-inputs, insect pest, ornamental plants, posters on scope & career opportunities in agriculture, glance of B.Sc. (Agri) students course curriculum and RAWE (Rural Agriculture work experience) activities were displayed in order to attract the students to join agri-professionals. Fifty science teachers & 600 Schools/College students participated.



Science teachers & students with University officers



Dr. Pramod Katti, AO, addressing Science teachers during workshop on importance of Agril. Education

4. Workshop on scope & opportunities in agriculture and allied education for Principals & Science Teachers

A workshop was organised for School-College principals, science teachers and parents to create awareness on the scope and opportunities in agricultural education & ICAR-AIEEA UG degree programme admission process on 6th March, 2020 at College of Agriculture, Raichur. The programme began with welcome address by Dr. Pramod Katti, Administrative officer, UAS, Raichur and also briefed the importance & scope of agricultural education. The programme was inaugurated by Dr. Kunteppa, Executive Member of Karnataka Rajya Vijnana Parishat and 60 Science teachers & 25 principals participated. Further he stressed that the importance of agriculture in Indian economy and at the end of the workshop students shared their feedback that they were motivated to join agri-profession after 10+2 examination.

5. One day Seminar at College of Agriculture, Bheemarangudi

One day Seminar on “ICT Applications in Agriculture and Social Welfare Sectors” was organized on 19th February, 2020 at College of Agriculture, Bheemarangudi to create awareness about ICT applications used in agriculture, horticulture and social welfare sectors. During morning session resource person Dr. A. Prabhuraj, Project Leader of e-SAP gave detailed account on e-SAP an IT application in crop health management and it was followed by second presentation on ‘ICT Applications in Social Welfare Sectors’ delivered by Dr. Lakshmana, G. Assistant Professor of Central University of Karnataka, Kalaburagi and highlighted various ICT Apps are being used by State and Central government especially related to social welfare sectors. Afternoon session was started with lecture on ‘ICT applications in Horticulture’ by Mr. Ganesh Pattenashetty, Assistant Director of Horticulture, Shahapur, GoK followed by presentation on ‘ICT applications in Agriculture’ by Mr. Akash Reddy, Agriculture Officer, Kalaburagi, GoK both have given various ICT Apps are using in horticulture and agriculture department. Around 348 students from College of Agriculture, B’Gudi and 63 students from College of Agriculture, Kalaburagi participated. Students expressed that they have got very information about e-SAP application which was developed by UAS, Raichur and also now they have come to know the various ICT applications present in agriculture, horticulture and social welfare department.

Resource persons of seminar:

1. Dr. A. Prabhuraj, Project Leader of e-SAP

Topic : -e-SAP an IT application in crop health management

2. Dr. Lakshmana, G. Assistant Professor, CUK

Topic : 'ICT Applications in Social Welfare Sectors'

3. Mr. Ganesh Pattenashetty, & Mr. Akash Reddy,

Topic : ICT applications in Horticulture & Agriculture

One Day Seminar on ICT Applications in Agriculture & Social welfare Sectors at College of Agriculture, Bheemarangudi on 19th February 2020



Welcoming the Guest



Participation of students



Students interacting with Resource Person



Dr. Prabhuraj, A. Resource Person delivering session on e-SAP for crop health management



Participation of Faculty



Trainee students with Dignitaries

2. Trainings/Other activities

1. National Training on “Technology Enhanced Learning” for faculty by NAARM, Hyderabad

Five Faculties of University were deputed to NAARM, Hyderabad for training on “Technology Enhanced Learning” to sensitise on technology options for teaching and learning and sensitise on online learning and its management from 25-31 January, 2020 under NAHEP (IG). Trainee faculty shared their feedback that acquired knowledge on online learning & its management & improved skills in teaching & learning.

National Training for faculty on “Technology Enhanced Learning” for faculty by NAARM, Hyderabad



Group of trainee Faculty with NAARM Team



Trainee faculty receiving certificate from Dr. Ch. Sreenivas Rao, Director, NAARM, Hyderabad

2. Personality Development Training Programme for UG-students

Two days personality development training programme was organized for UG students on 3-4th February, 2020 at College of Agriculture, Kalaburagi to develop personality of students in time management skills, listening/communication skills & presentation skills. The programme was inaugurated by Dr. D. M Chandragi, Dean (Agri.) & PI (NAHEP-IG) and expressed that main objectives of the project to build E-resources & digitisation of both the libraries at College of Agriculture, Kalaburagi & B' Gudi & also to build competitive human resources through training/workshop/seminars and programme was graced by the presence Dr. Suresh S. Patil, Dean (Agri) College of Agriculture, Kalaburagi, Resource Person - Smt. Radha (Smart Series, Bangalore), Dr. Krishna Maraddi Asst. Librarian & Co-PI (NAHEP-IG) and Dr. Anand Naik, Assistant Professor, College of Agriculture, Kalaburagi. 66 students participated in training programme

The contents of the training program were as below.

- 1) Goal Setting
- 2) Time Management

- 3) Listening Skills and Communication skills
- 4) Presentation Skills
- 5) Team Work
- 6) Problem Solving/ Decision Making

3. Participation in national conference

B.Tech (Ag. Engg) Students participation in national conferences

B.Tech (Ag. Engg) students of College of Agricultural Engineering, Raichur got opportunity to participate in the National Conference on “Role of Agricultural Engineering Innovations in Doubling Farmers Income”. The financial support was extended under NAHEP-IG project.

Two Days Training Programme on “Personality Development” for UG Students at College of Agriculture, Kalaburagi on 3-4, Febuary 2020. Trainer: Dr. Radha, CEO, Smart Series, Bengaluru



Inauguration of training programme by Dignitaries



Inaugural address by Dr. D. M. Chandargi
Principal investigator



Trainer interacting with students



Students performing task during training



Students sharing feedback



Trainee students with Dignitaries

4. Short Certificate Course

Short Certificate Course” on E-resource, E-learning & IoT

This short certificate course was of 100 hours training programme which was divided into component-I and was handled by ICAR-NAARM at University Library UAS, Raichur and component-II was organized by MANAGE, Hyderabad.

Course Objectives:

1. To impart knowledge on E-resources, E-learning and IoT
2. To provide hands on training in using E-resources, E-learning and IoT
3. To build confidence among students in undertaking start ups/enterprise in agriculture.

1. Short Certificate Course” on E-resources, E-Learning & IoT (Component -I) by NAARM, Hyderabad

First phase of five days short certificate course (Component–I) training programme was organized by NAARM, Hyderabad, covering basics of “E-Resources, E-Learning and IoT” for 50 Students & 10 Faculty of UAS, Raichur on 25-29 February, 2020 at University Library, UAS, Raichur. The programme was inaugurated with lighting lamp by Dr. S. K. Meti, DoE, UAS, Raichur & Dr. S. Senthil Vinayagam, Head, Education Systems Management, NAARM, Hyderabad & all the guests of programme. Dr. S. Senthil Vinayagam, addressed students & faculty on importance and scope of E-resources for present generation and also delivered session on communication skills & entrepreneurship development. The programme was presided by Dr. D. M Chandargi, Dean (Agri.) & PI (NAHEP-IG) project and spoke on preamble of project in Kalyan Karnataka region. Further, he spoke on components of the project like infrastructure building, developing E-resource in all libraries & digitization of libraries by converting hard copies into soft copies & launch of library website by next year.

Last day of training programme ended with valedictory programme to distribute certificates and obtaining feedback from students & faculty. The programme was inaugurated by chief guest Dr. S. K. Meti, Director of education, UAS, Raichur and graced by Dr. S. K. Soam, Joint Director, ICAR-NAARM & Dr. G. R. K. Murthy, Principal Scientist & Programme Director. Dr. Prabhuraj A. welcomed the guest with a bouquet. Feedback shared by students that they were motivated & build confidence among students in undertaking start

ups/enterprise in agriculture & improved ICT based learning skills & their effective usage. The programme was presided by Dr. D. M. Chandragi, Dean (Agri.) & PI(NAHEP-IG) who thanked NAARM Director & his team for conducting training programme and also thanked library staff & NAHEP team. Finally Dr. A. S. Halepyati, University librarian proposed vote of thanks.

Short Certificate Course (component-I) on E-resources, E-learning and IoT organised by NAHEP-IG project in collaboration with NAARM (25th to 29th February-2020) Hyderabad



Inauguration of programme by Dr. S. Senthil Vinayagam
Principal Scientist, NAARM, Hyderabad



Hands on training for students’ on IoT



Distribution of certificates to faculty



Presidential address by Dr. D. M. Chandargi
Principal Investigator



Group photo with trainee students & faculty



Valedictory remarks by Dr. S. K. Soam
Joint Director NAARM, Hyderabad

2. Short Certificate Course” on E-resource, E-Learning & IoT (Component –II) by MANAGE

Second phase of five days short certificate course covering applied aspects of “E-Resources, E-Learning and IoT” (Component – II) was conducted by MANAGE on New Dimensions in ICTs & Knowledge Management in Agriculture for 50 students & 10 faculty of UAS, Raichur from 10-14 March, 2020. Smt. G. Jayalakshmi, IAS Director General, MANAGE, Hyderabad, inaugurated the Programme & stressed the importance of E-resource, E-learning platforms for students to upgrade their knowledge & use internet of things most effectively in building one's carrier. The programme was graced by Dr. D. M. Chandragi, Dean (Agri.) & PI-(NAHEP-IG) and Dr. K.C. Gummagolmath, Dy. Director (M&E) who briefed about training programme. Session was delivered by Dr. Senthil Vinayagam, Principal Scientist (Ag.Extn.),NAARM on Application of ICTs in Agriculture and Agricultural Extension. On the last day of training programme, certificates were distributed to participants and feedback was shared both by faculty & students. The students/faculty rated 4.81 out of 5 scale rating in learning of the ICT application & knowledge management for agriculture research.

Short Certificate Course (Component - II) on E-resources, E-learning and IoT organised by NAHEP-IG project in collaboration with MANAGE (10th to 14th March-2020) Hyderabad



Inauguration of training programme by Smt. Jayalaxmi IAS DG, MANAGE



Dr. K.C. Gummagolmath, Course Coordinator briefed about training program



Hands training for students on weather forecasting



Distribution of certificates to students



Students interacting with staff of incubation/agri-start up cell



Final group photo of faculty/students with MANAGE team

5. Guest Lecture /Awareness Programme

1. Creating awareness programme on IAS & KAS competitive exams

Creating awareness programme on IAS & KAS competitive exams for students of UAS, Raichur was jointly organised by SC/ST Cell, UAS Raichur and NAHEP-IG, UAS Raichur where in experts from HOSABELAKU IAS THAPAS Organisation, Bangalore gave a talk on how to prepare for exams, details of syllabus and pattern of exam.

Creating Awareness programme on IAS & KAS competitive exams on 2nd Jan, 2020



2. Guest lecture on “Intellectual Property Rights”

Guest Lecture on “Intellectual Property Rights” was organized to create awareness about importance of Intellectual Property laws & acts. Intellectual property law is to encourage innovation and to provide incentives for innovation by granting protection to inventors on 24th January, 2020 at College of Agriculture Raichur for PG students. Resource person Mr. Vivek Anand Sagar faculty of Karnataka State Council for Science and Technology (KSCST) spoke on the occasion.

Guest Lecture on “Intellectual Property Rights” on 24th Jan, 2020



3. Special lecture on tips for cracking competitive exams

A Special lecture on tips for cracking competitive exams was organised on 12th March, 2020 at Seminar Hall of College of Agriculture, Raichur. Dr. Sharan Angadi, Formerly Senior Vice-President, Nunhems India Pvt Ltd, Bengaluru gave in - depth knowledge on tips for cracking competitive exams.

Guest Lecture on tips for cracking competitive exams on 12th March, 2020



III. Environmental Sustainability Plans

Green graduation day at Glance - 2019-20

Dr. K. N. Kattimani, Hon'ble Vice-Chancellor, UAS, Raichur inaugurated programme & distributed seedlings to newly admitted UG-students for planting. Further programme was graced by presence University officers namely Dr. M. G. Patil, Registrar, Dr. D. M. Chandargi, Dean (Agri.) & PI, NAHEP-IG, Dr. M. Veerangouda, Dean (Ag.Engg), Dr. J. Ashoka, Comptroller and teaching and non-teaching faculty of the college were actively participated in the event.

Tree Planting on Green Graduation Day Programme at College of Agriculture & College of Agril. Engineering, Raichur on 2nd Oct-2019



IV. Annual financial progress report for the year of 2019-20

S. No.	Head of Account	Opening Balance	Receipts during	Expenditure During	Closing Balance
A.	Goods & Equipment				
	Equipment/Plant /Machinery	-	-	-	-
	Office Equipment	1,00,000	1,00,000	1,20,461	-20,461
	Laboratory Equipment	-	-	-	-
	Furniture & Fixtures	1,00,000	1,00,000	76,700	23.300
	Computers & peripherals (Hardware & Software)	-	-	-	-
	Books & Journals	-	-	-	-
B.	Civil Works				
	Minor repairs & renovation works	4,00,000	4,00,000	3,72,480	27,520
	Sub-total (A+B)	6,00,000	6,00,000	5,69,641	30,359
C.	Human Capacity Building				
	National Training	7,00,000	7,00,000	4,09,575	2,90,425
	International Training	6,00,000	6,00,000	11,520	5,88,480
	Short Visits/ Seminars	18,50,000	18,50,000	15,40,818	3,09,182
	Meetings & Workshops	2,00,000	2,00,000	88,378	1,11,622
D.	Consultancy				
	National Level Consultancies	-	-	-	-
E.	Recurrent Cost				
	Travel expenses	75,000	75,000	58,393	16,607
	Contractual Services (RA/SRF/ System Analyst /Programmer)	26,40,000	26,40,000	17,13,487	9,26,513
	Operational Costs	18,00,000	18,00,000	17,16,338	83,662
	Institutional Charges	3,93,000	3,93,000	3,93,000	0
	Sub-total (C+D+E)	82,58,000	82,58,000	59.31,509	23,26,491
	Grand Total (A+B+C+D+E)	88,58,000	88,58,000	65,01,150	23,56,850

V. Outcomes of the Project

1. Students Achievements

Sl. No.	Particulars of exams	2020-21	Department
1.	JRF	4 (SC-1 PH-1 EWS-1)	Plant Science
			Seed Science & Technology
			Farm Machinery & Power Engineering
	JNTU	1	Agril. Biotechnology
IELTS	1	Food Science & Technology	
2	University ranking	Secured 21 rank in ICAR SAU Ranking	

2. Details of publications/training materials/ppts developed by faculty

Sl. no	Name of publications	During Jan-Dec 2020
1	Number of research papers published in NAAS rating (>6)	10
2	No of training materials developed:	30
3	Ppts prepared and session taken	101
4	Short video on special achievements by faculty & students	10
5	No. of documents (special course) developed	5
6	Others (Text Books, and Book Chapters in edited books)	3

3. NAAS rated papers published by faculty

1. Name of faculty: Dr. Pramesh D, Scientist (Plant Pathology)				
Sl. No.	Title of paper	Name of journal	Theme	NAAS rating
1	Loop-mediated isothermal amplification assay for pre-symptomatic stage detection of <i>Xanthomonas axonopodis</i> pv. <i>punicae</i> infection in pomegranate	<i>Australasian Plant Pathology</i>	Pathogen Diagnostic	7.11
2	Comparative genomics of rice false smut fungi <i>Ustilaginoidea virens</i> UvGvt strain from India reveals genetic diversity and phylogenetic divergence	<i>3Biotech (Biotech 3)</i>	Pathogenomics	7.79
3	Determination of Profenofos Residues using LC-MS/MS and its Dissipation Kinetics in Pigeonpea Pods	<i>Legume Research</i>	Pesticide Residue	6.34
4	First report of <i>Alternaria alternata</i> causing leaf blight on little millet (<i>Panicum sumatrense</i>) in India.	<i>Plant Disease</i>	First Disease report	9.58
5	Antibiotic resilience in <i>Xanthomonas axonopodis</i> pv. <i>punicae</i> causing bacterial blight of pomegranate	<i>Current Science</i>	Antibiotic resistance	6.76
6	LAMP-based foldable microdevice platform for the rapid detection of <i>Magnaporthe oryzae</i> and <i>Sarocladium oryzae</i> in rice seed	<i>Scientific Report</i>	Pathogen diagnostics	10.11
7	Rapid genotyping of bacterial leaf blight resistant genes of rice using loop-mediated isothermal amplification assay	<i>Molecular Biology Reports</i>	Host Plant Resistance	8.21
Name of faculty: Dr. Srikanth B Assistant Professor of Biochemistry				
1.	PAF1 Regulates Stem Cell Features of Pancreatic Cancer Cells, Independently of the PAF1 Complex, via Interactions with PHF5A and DDX3	<i>Gastroenterology</i>	Mouse model, Pancreatic ductal adenocarcinoma, Side Population, Transcription	20

2. Name of faculty: Dr Mahadeva swamy Professor and Head (Agril. Microbiology)				
1	Mining Saline Soils to Manifest Plant Stress-Alleviating Halophilic Bacteria	Current Microbiology Springer publications	Microbiology 0343-8651 ISSN	7.60
3. Name of faculty: Dr. J. R. Diwan Assistant Professor of Genetics and Plant Breeding				
1.	Pod trichome characterisation using foldscope, morphological characterization and genetic diversity among indigenous collections of pigeonpea [<i>cajanus cajan</i> (l.) millsp.]	<i>Legume Research</i>	Foldscope	6.34