

ICAR-National Agricultural Higher Education Project

Annual Progress Report (April'19 to
March'20)

Component 1c: Innovation Grant



1. Executive Summary

NAHEP Project Objective:

NAHEP is designed to strengthen the national agricultural education system in India with overall objective to provide more relevant and high-quality education to agricultural university students. This programme will promote efficiency and competitiveness through changes in working mechanism of agricultural universities, raising the teaching and research standards through improved research and teaching infrastructure and enhanced faculty competency and commitments, and making agricultural education more attractive to talented students. There are four key components under NAHEP, namely; Institutional Development Plan (IDP), Centres for Advanced Agricultural Sciences and Technology (CAAST), ICAR to support excellence in agricultural universities (AUs), and ICAR Innovation Grants to AUs. It is envisaged that improved AU performance through quality enhancement, better employment and entrepreneurship opportunities created for agriculture graduates, non-accredited AUs attaining ICAR accreditation, and institutional reforms implemented in education division of ICAR and AUs under these components together shall contribute to the achievement of the overall program objective.

Progress made during period: The progress made across each component of NAHEP during April 19 to March'20 has been captured herewith.

Component 1 c: ICAR Innovation Grants (IG) to AUs

Under this component, projects have been awarded to select participating AUs to attain accreditation. Reform ready AUs mentoring the non-accredited AUs have also been considered in this component.

In NAHEP (IG), Dr. PDKV, Akola the various activities like brain storming workshop, trainings (national), faculty development training, conference (national), University alumni meet (Dr. PDKV alumni meet 2020), training for students (In-plant training and summer trainings) were organised.

The various activities were organized for the faculty as well as for the students. These activities having the main emphasis on capacity building and skill development in renewable energy. During this the various renewable energy-based prototypes, its use and necessity was discussed, demonstration was given wherever necessary. Hence the awareness was created about the renewable energy technology-based business and its use in agriculture as well as for domestic. The participants from various disciplines of agricultural science were participated in the various training from all over the country.

The university alumni meet has helps to develop Alumni network at university level and which is much important for the current student and enhances the students experience about current employment scenario, business opportunities etc. from the experiences and valuable time shared by University Alumni working in different fields.

Plan Ahead

Roadmap ahead for procurement

- Anemometer cup counter with data logger
- Dry bulb thermometer
- Data logger with various sensors like temp. of various ranges, wind speed, mass flow rate etc.
- Computerized solar wind hybrid system trainer with data logger, software, PC with printer

Roadmap ahead for technical progress

- National Level Trainings – 04 Nos.
- International Level Training – 01 No.
- Activities related to Short visit /seminar -03 Nos.
- Activities related Meeting and Workshop -04 Nos.

Component 1 c

ICAR Innovation Grants (IG) to AUs

Component cost
USD 30.8 Mn**1. Output-outcome monitoring**

S. N.	Particulars	April'18 to March'19		Apr'19 to March'20		Remarks (Action plan for areas where improvement is needed)
		Plan	Achievement ¹	Plan	Achievement	
1.	Number of AUs accredited with revised norms and standards of ICAR					
2.	Number of short term institutional objectives finalised by AU	03	03	03	03	
3.	Number of long term institutional objectives finalised by AU	02	02	02	02	
4.	Number of innovation grants given	01	01	01	01	
5.	Number of e- enabled learning activities initiated in AU (MOOC platform, virtual labs, video lectures)	4	4	00	00	
6.	Number of trainings (national and international) undertaken for student and faculty upgradation	57	80	04	04	
7.	Number of international trainings undertaken by faculties under IG comp	00	00	00	00	
8.	Number of national trainings undertaken by faculties under IG comp	00	00	00	00	
9.	Number of international trainings undertaken by students under IG comp	00	00	00	00	
10.	Number of national trainings undertaken by students under IG comp	00	00	00	00	

¹ Inputs captured from NAHEP Annual Report 2018-19

S. N.	Particulars	April'18 to March'19		Apr'19 to March'20		Remarks (Action plan for areas where improvement is needed)
11.	Number of Master and Ph.D students Sandwich Programme undertaken with foreign universities/ National institutions	0	24	00	00	
12.	Number of alumni linkages to secure international branding	2	8	00	00	
13.	Centers for career development established	1	1	00	00	
14.	Number of industry seminars and professional workshops from experts to better prepare students for final placements	39	68	03	02	Industry -Institute Meet on “Innovative Startups in Agriculture Sector” and Sensitization workshop on “Career opportunities in Agriculture and Allied Sectors” were Cancelled due to circular issued by Registrar, Dr. PDKV, Akola regarding precautionary measure to restrict the COVID-19 (Coronavirus)
15.	Number of direct beneficiaries of the project	1570	1158	2500-3000	2207	
16.	Number of female beneficiaries out of total direct beneficiaries	N.A.	333	N.A.	592	

2. Input and activity monitoring

Input / Activity indicator	Sub- head / category	April'18 to March'19		Apr'19 to March'20		Activity elaboration
		Expenditure / input in INR lakhs Planned	Utilized ²	Expenditure / input in INR lakhs Utilization	Planned	
Goods and equipments	Equipment, Plant & Machinery	0.0	0.0	0.0	00	
	Office equipment	98.0	56.8	0.0	0.06713	Carry forward balance from FY 2018-19
	Laboratory equipment	650.0	488.3	0.0	0.60437	Carry forward balance from FY 2018-19

² Figures mentioned here are from NAHEP Annual Report 2018-19

Input / Activity indicator	Sub- head / category	April'18 to March'19		Apr'19 to March'20		Activity elaboration
		Expenditure / input in INR lakhs Planned	Utilized ²	Expenditure / input in INR lakhs Utilization	Planned	
	Furniture & fixtures	58.0	44.8	0.0	0.00545	Carry forward balance from FY 2018-19
	Computers and Peripherals	67.6	63.2	0.0	0.0	
	Books and Journals	12.0	10.0	0.0	0.52673	Carry forward balance from FY 2018-19
Civil works	Minor repair and renovation works	140.0	101.8	0.0	0.19399	Carry forward balance from FY 2018-19
Human capacity building	National level training	89.0	68.0	13.53415	14.69905	<ul style="list-style-type: none"> • National Training “Issues of Entrepreneurship in Agriculture and Technology” This training programme is helpful to enhance the skill and develop the capacity of the faculties to went under the culture of entrepreneurship development in course curricula. • Faculty Development Training Program on “Enhancing

Input / Activity indicator	Sub- head / category	April'18 to March'19		Apr'19 to March'20		Activity elaboration
		Expenditure / input in INR lakhs Planned	Utilized ²	Expenditure / input in INR lakhs Utilization	Planned	
						<p>Efficiency and Effectiveness to Develop Entrepreneurship Ecosystem” by ICAR, NAARM, Hyderabad</p> <p>The training programme became a platform to discuss the challenges and opportunities in development of capacity and skill of the faculties in effective teaching. The training had equipped the participants with tools and skills on how to integrate technology in teaching activity. Participants are enhanced with the leadership skills, team work spirit and problem-solving skill was imbibed.</p>

Input / Activity indicator	Sub- head / category	April'18 to March'19		Apr'19 to March'20		Activity elaboration
		Expenditure / input in INR lakhs Planned	Utilized ²	Expenditure / input in INR lakhs Utilization	Planned	
	International level training	133.0	87.8	00	0.64773	Carry forward balance from FY 2018-19
	Short visit/ seminars	72.5	55.8	9.95625	10.00380	<ul style="list-style-type: none"> • National Conference This conference is helpful for the faculties and student to gain knowledge regarding the current and other emerging trends of entrepreneurship in Agriculture across the globe & importance of agricultural engineering technologies in the Agro-business. • Participation in one National conference & two International conference (at national level) of Scientists (PI, Co-PI etc.) and NAHEP contractual staff (RA, SRF, JRF etc.)

Input / Activity indicator	Sub- head / category	April'18 to March'19		Apr'19 to March'20		Activity elaboration
		Expenditure / input in INR lakhs Planned	Utilized ²	Expenditure / input in INR lakhs Utilization	Planned	
	Meetings and workshops	61.0	26.8	22.90558	29.14049	<ul style="list-style-type: none"> • Brain Storming workshop This workshop has helpful for creating awareness among the faculties and the students about the different opportunities of entrepreneurship and possible options of employment generation in Agriculture sector. • Alumni Meet of Dr. PDKV, Akola This program has helps to develop Alumni network at university level and which is much important for the current student and enhances the students experience about current employment scenario, business opportunities etc. from the experiences and

Input / Activity indicator	Sub- head / category	April'18 to March'19		Apr'19 to March'20		Activity elaboration
		Expenditure / input in INR lakhs Planned	Utilized ²	Expenditure / input in INR lakhs Utilization	Planned	
						valuable time shared by University Alumni working in different fields.
Consultancy	National level consultancies	0.0	0.0	0.0	0.0	
Recurrent cost / Miscellaneous	Travel	80.5	26.2	6.20308	10.27193	Travel cost of the faculties, contractual staff, supporting staff and other officials related to NAHEP work, training, conference, visit at national level etc.
	Contractual services	221.1	99.8	35.82019	48.83758	The contractual staff appointed at NAHEP, Dr. PDKV, Akola are included RA -01 No. SRF – 03 Nos., JRF – 02 Nos., Technician – 06 Nos. ,Account Assistant – 01 No., Laboratory Assistant – 02 Nos., The contractual services of the staff are necessary for smooth functioning of the various NAHEP activities and NAHEP office work.

Input / Activity indicator	Sub- head / category	April'18 to March'19		Apr'19 to March'20		Activity elaboration
		Expenditure / input in INR lakhs Planned	Utilized ²	Expenditure / input in INR lakhs Utilization	Planned	
	Operational costs	592.9	482.7	52.75067	53.90293	<ul style="list-style-type: none"> • It includes following activities • Raw material for fabrication of solar insect trap • Printing of manual, booklet, essential books etc. • Raw material for conduction of skill operation to convert agro-produce in to value added product • Raw material for skill practical of SPV System • POL, Hiring of Vehicle etc. • Students Innovative Research Project • Preparation of website • Charges of two daily wages labour appointed in NAHEP for cleaning of LABs and Office, Also helps in research activities, training conducted by NAHEP. • The raw material for fabrication of solar

Input / Activity indicator	Sub- head / category	April'18 to March'19		Apr'19 to March'20		Activity elaboration
		Expenditure / input in INR lakhs Planned	Utilized ²	Expenditure / input in INR lakhs Utilization	Planned	
						biomass hybrid drying system for 100 kg batch <ul style="list-style-type: none"> • The raw material for fabrication of solar cabinet dryer natural convention and force convention – 100 kg batch • Raw material for fabrication of bio oil reactor • Raw material for cut models of biogas plants like modified Janata, Deenbandhu, KVIC and traditional and practical purpose • Repair and maintenance of biomass gasifier based power generation system of 11 KVA with electrical system and batteries and raw materials (biomass) • Repair and maintenance of institutional biogas electrical generation plant of 20 m³ capacity with gas pipelines, gas engines and other

Input / Activity indicator	Sub- head / category	April'18 to March'19		Apr'19 to March'20		Activity elaboration
		Expenditure / input in INR lakhs Planned	Utilized ²	Expenditure / input in INR lakhs Utilization	Planned	
						electrical connection and panels • Erection and insulation charges of renewable energy system • Other expenses for operation of NAHEP
	Institutional charges	27.8	22.5	0.0	0.0	
Total		2303.5	1637.2	141.16992	168.90068	Balance (INR lakhs) Rs. 27.73076

3. Case study/Success story: Request you to please provide the case study/ success story

Major categories of success stories / case studies:

Please select any of the category /categories below and mention the category name on the top of the story in the below mentioned box

1. Experience sharing: <ul style="list-style-type: none"> a. Students visited abroad for International training b. Faculties sent abroad for International training c. Foreign faculties visited awarded AUs/ Institute of NAHEP 	2. MoUs signed: <ul style="list-style-type: none"> a. Signed with industry b. Signed with globally recognized Higher Educational Institutions (HEIs) c. Signed with other participating agricultural universities of NAHEP / National Institutes d. Others (Specify)
3. Media coverage of project activities and achievements: <ul style="list-style-type: none"> a. Print / press release b. Television coverage c. Social media coverage d. Others (Specify) 	4. Establishment of facilitative centers: <ul style="list-style-type: none"> a. Artificial intelligence (AI) lab / Centre b. Industry Institution Interaction Cell c. Start-up incubation cell

	d. Other enabling infrastructures (Specify)
<p>5. Digital initiatives undertaken:</p> <ol style="list-style-type: none"> Application developed (Mobile / Web based) AMS (Academic Management System) MIS (Management Information System) / FMS (Financial Management System) Digitization of library e-learning / modules developed Other e-enabled initiatives undertaken 	<p>Note:</p> <ul style="list-style-type: none"> • Provide maximum 2 success story/case study in maximum 1000 words • Provide high-resolution maximum 2 photographs
<p>6. Innovations and out of box initiatives undertaken:</p> <ol style="list-style-type: none"> Field innovations Classroom innovation Teaching innovation Others (Specify) 	
<p>3 . Media coverage of project activities and achievements:</p> <p>e. Print / press release</p> <p>NEWS of Brain storming workshop “Role of Agriculture Graduate in 21st Century for sustaining Indian Economy” held on - 23 July., 2019 at NAHEP (IG), Dr. PDKV, Akola</p> <p>NEWS of National Training “Issues of Entrepreneurship in Agriculture and Technology” held on - 05 -14 November, 2019 at NAHEP (IG), Dr. PDKV, Akola</p> <p>NEWS of National Conference “Agricultural Engineering: 50 Years in service of farmers through Agro-Entrepreneurship” held during 29 -30 November, 2019 at NAHEP (IG), Dr. PDKV, Akola</p>	

NEWS of Alumni meet of Dr. PDKV, Akola

“Dr. PDKV ALUMNI MEET-2020”

held during 06 February, 2020 at NAHEP (IG),Dr. PDKV, Akola

NEWS Faculty Development program on

“Enhancing Efficiency & Effectiveness of Teacher to Develop Entrepreneurship Ecosystem”

by ICAR, NARRM Hyderabad

organized under NAHEP (IG), Dr. PDKV, Akola (Duration -11-20 February, 2020)



NEWS of Brain storming workshop
“Role of Agriculture Graduate in 21st Century for sustaining Indian Economy”
 held on - 23 July., 2019 at NAHEP (IG), Dr. PDKV, Akola



NEWS of Brain storming workshop
 “Role of Agriculture Graduate in 21st Century for sustaining Indian Economy”
 held on - 23 July., 2019 at NAHEP (IG), Dr. PDKV, Akola



News of National Training
 “Issues of Entrepreneurship in Agriculture and Technology”
 held on - 05 -14 November, 2019 at NAHEP (IG), Dr. PDKV, Akola



News of National Training
“Issues of Entrepreneurship in Agriculture and Technology”
 held on - 05 -14 November, 2019 at NAHEP (IG), Dr. PDKV, Akola



NEWS of National Conference
 “Agricultural Engineering: 50 Years in service of farmers through Agro-Entrepreneurship” held during 29 -30 November, 2019 at NAHEP (IG), Dr. PDKV, Akola

अकोला भास्कर

•अकोला •बुलढाणा •वाशिम

अकोला

सोमवार 2 दिसंबर, 2019

अकोला, सोमवार 02 दिसंबर 2019

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नवीनतम तकनीक की खोज में रहें तत्पर : डा. भाले



नगर सेवादाता | अकोला

कृषि उद्योगों के माध्यम से किसानों के सेवा के 50 साल इस विषय पर डा.पंजाबराज देशमुख कृषि विधि में दो दिवसीय राष्ट्रीय कार्यशाला आयोजित की गई। इस कार्यक्रम के समापन समारोह में बोलते हुए पीडीकेवी के उपकुलपति डा.विश्वस भाले ने उपस्थित वैज्ञानिकों से अपील की कि ये नवीनतम तकनीक की खोज के लिए संदेश वापर रहें ताकि कृषि उत्पाद व किसानों की सहायता में योगदान दिया जा सके।

अकोला के डा.पंजाबराज देशमुख कृषि विधि के कृषि अभियांत्रिकी विभाग अंतर्गत आयोजित दो दिवसीय राष्ट्रीय कार्यशाला का समापन समारोह हुआ। राष्ट्रीय कृषि उच्च शिक्षा प्रकल्प व कृषि अभियांत्रिकी विद्या शाला की

धोर से इस कार्यक्रम का आयोजन किया गया था। जिसमें प्रमुख अतिथि के रूप में कोटा संसथान कृषि विधि के उपकुलपति डा.डी.सी.जी.जी की प्रमुखता से उपस्थिति रही। समारोह की अध्यक्षता पीकेवी के उपकुलपति डा.वी.एम.भाले ने की। गूटर्न तर्नाटक के अधिष्ठाता डा.वेला रेड्डी, वी.एन.एम.के.की परभणी के अधिष्ठाता डा.उदय खोडके, अकोला के अधिष्ठाता डा.एम.बी.नागदेवे की समारोह में उपस्थिति थी। आरंभ में डा.एस.आर.जगतवाडे ने कार्यक्रम की जानकारी दी। इस कार्यशाला में 171 शोध निबंधों का समावेश किया गया जिनमें 125 वैज्ञानिक व छात्र शामिल हुए। कार्यशाला में तर्नालनाड, राजस्थान एवं महाराष्ट्र के चारों कृषि विधि के वैज्ञानिक व छात्र शामिल हुए। कोटा के कृषि विधि के उपकुलपति डा.जोशी

ने अपने उद्घोषण में कहा कि इस तरह की राष्ट्रीय कार्यशालाओं के माध्यम से वैज्ञानिकों को क्षमता बढ़ाने में मदद मिलती है। जिसका लाभ छात्रों को होता है। उन्होंने यह भी कहा कि वर्तमान हालात में कृषि क्षेत्र की सक्षमता से खड़ा करने के लिए विरल स्तर पर कृषि अनुसंधान तथा कृषि उत्पादों के विपणन का नियोजन करती है।

डा.भाले ने अपने अध्यक्षीय उद्घोषण में कहा कि कृषि आयत, खाद्य पदार्थ, खाद्य पदार्थों तथा खाद्य इंधनाल के क्षेत्र में उद्योगों की अपार संभावनाएं हैं। ऐसे उद्योगों के लिए उच्चतर तकनीक होने के कारण उद्योगी इस क्षेत्र में आगे आएंगे। विश्व स्तर पर उद्योग के विकास धीरे धीरे खत्म हो रहे हैं, इसलिए वैश्वीयक व्यवस्था के तहत अभी से अनुसंधान जरूरी है। इस कार्यक्रम में अनुसंधान निबंध तथा पोस्टर विभाग में सरल सहयोग देने वाले वैज्ञानिकों व छात्रों को प्रमाणपत्र देकर प्रोत्साहित किया गया। समापन समारोह का आभार डा.राजेश मुकुमकार ने मान्य। कड़ी संकल्प में छात्र, वैज्ञानिक तथा पीकेवी के सभी विभागों के प्रमुख इस कार्यशाला के समापन समारोह में उपस्थित थे।

NEWS of National Conference

“Agricultural Engineering: 50 Years in service of farmers through Agro-Entrepreneurship” held during 29 -30 November, 2019 at NAHEP (IG), Dr. PDKV, Akola

माझं अकोला



शुक्रवार, ७ फेब्रुवारी २०२०

कृषी विद्यापीठातील माजी विद्यार्थी मेळाव्याचे थाटात उद्घाटन

कृषी तंत्रज्ञानाच्या योग्य प्रचार व प्रसाराची गरज

क्रीडा व युवक कल्याण मंत्री सुनील केदार यांचे प्रतिपादन



डा. संजयराव देवगुज कृषी विद्यापीठात आयोजित माजी विद्यार्थी मेळाव्याचा उद्घाटन समारंभ आणि या मेळाव्याचे उद्घाटन करताना या. सुनील केदार, डॉ. भद्रे, अधिवेशनात सहभागी होऊन बसले.

मातृभूमि वृत्तलेख
। अकोला दि. ६, २०२०

देशात कृषि क्षेत्रात बऱ्याच प्रगतीस पोहोचले आहे असे म्हणताना सौ. सुनील केदार यांनी कृषी विद्यापीठातील माजी विद्यार्थ्यांच्या मेळाव्याचा उद्घाटन सोहळा संपन्नपणे संपवला. यावेळी उपस्थित असलेल्या अनेक मान्यवरांच्या उपस्थितीत या मेळाव्याचा उद्घाटन सोहळा संपन्नपणे संपवला. यावेळी उपस्थित असलेल्या अनेक मान्यवरांच्या उपस्थितीत या मेळाव्याचा उद्घाटन सोहळा संपन्नपणे संपवला.

यावेळी उपस्थित असलेल्या अनेक मान्यवरांच्या उपस्थितीत या मेळाव्याचा उद्घाटन सोहळा संपन्नपणे संपवला. यावेळी उपस्थित असलेल्या अनेक मान्यवरांच्या उपस्थितीत या मेळाव्याचा उद्घाटन सोहळा संपन्नपणे संपवला.



कृषी तंत्रज्ञानाच्या प्रसार, प्रचाराची आवश्यकता - सुनील केदार

कृषि क्षेत्रात बऱ्याच प्रगतीस पोहोचले आहे असे म्हणताना सौ. सुनील केदार यांनी कृषी विद्यापीठातील माजी विद्यार्थ्यांच्या मेळाव्याचा उद्घाटन सोहळा संपन्नपणे संपवला. यावेळी उपस्थित असलेल्या अनेक मान्यवरांच्या उपस्थितीत या मेळाव्याचा उद्घाटन सोहळा संपन्नपणे संपवला.

यावेळी उपस्थित असलेल्या अनेक मान्यवरांच्या उपस्थितीत या मेळाव्याचा उद्घाटन सोहळा संपन्नपणे संपवला. यावेळी उपस्थित असलेल्या अनेक मान्यवरांच्या उपस्थितीत या मेळाव्याचा उद्घाटन सोहळा संपन्नपणे संपवला.

NEWS of Alumni meet of Dr. PDKV, Akola
“Dr. PDKV ALUMNI MEET-2020”
held during 06 February, 2020 at NAHEP (IG), Dr. PDKV, Akola

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शिवाजी मठाने, मुंबई, बुधवार, ७ फेब्रुवारी २०२०

शिवाजी मठाने

शिवाजी कनेक्ट

अभियंता, मुंबई, ७ फेब्रुवारी २०२०

मित्रांनो, सद्या परस्परांमधील संवाद कमी होतोय, बोलत राहा, भेटत राहा

प्रतिनिधी | अशोक

दोस्तप्रेमिय परस्परांमधील संवाद कमी होत चढतला आहे. जणूच वेगळी वेळाला वेगळ्या नवी, तर प्रत्येक एका वेळाने भेटणे बहिरे, बोलणे बहिरे, असे अस्वाभाविक स्थिती अर्पित होत आहेत. गरीबगरी वही केले. डॉ. पद्मनाभन वेळापत्र कुणी मित्रांपेक्षाही वेळाने संपादन करून घ्यावी अर्पित होत आहे. मित्रांची वेळापत्रांना उद्देशाने संपादन करून घ्यावी अर्पित होत आहे. मित्रांची वेळापत्रांना उद्देशाने संपादन करून घ्यावी अर्पित होत आहे.

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कृषी विद्यापीठाच्या माजी विद्यार्थी मेळाव्यात भारत गणेशपुरे यांचे आवाहन



डॉ. पद्मनाभन वेळापत्र कुणी मित्रांपेक्षाही वेळाने संपादन करून घ्यावी अर्पित होत आहे. मित्रांची वेळापत्रांना उद्देशाने संपादन करून घ्यावी अर्पित होत आहे.

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माझ्या पदवीवर लोक आश्चर्य व्यक्त करतत

माझ्या पदवीवर लोक आश्चर्य व्यक्त करतत. माझ्या पदवीवर लोक आश्चर्य व्यक्त करतत. माझ्या पदवीवर लोक आश्चर्य व्यक्त करतत.

मुद्राको अंशक वडने चाले... गणेशपुरेनी वेगळे लोकेपेट

- मुद्राको अंशक वडने चाले... गणेशपुरेनी वेगळे लोकेपेट
- मुद्राको अंशक वडने चाले... गणेशपुरेनी वेगळे लोकेपेट
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NEWS of Alumni meet of Dr. PDKV, Akola
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The participants and dignitaries on the occasion.

'Agriculture scientists will have to play key role in developing entrepreneurship'

■ **Special Correspondent**
AKKA, Feb 22

ATD-DAI Faculty Development Programme for 'Enhancing Efficiency And Effectiveness In Develop Entrepreneurship Ecosystem' concluded in Dr. Pankaj Kumar Deshpande's Krishi Vidyapeeth the other day.

The development programme was organised jointly by Centre for National Agricultural Higher Education and National Institute of Agricultural Research Management, Hyderabad.

Total 21 participants were imparted training in the programme.

Dr. S. N. Patel, former Vice-Chancellor of Central Agricultural University, Inghat, guided the

subsidiary function while Dr. K. H. Rao, Programme Director and Coordinator, Corporate Relationship, Cell, Dr. Rajesh Kumar, Head of Department, Agro Business Management, Agricultural Research Management, Hyderabad, were the chief guests on the occasion.

Dr. S. S. Haroon, Social Officer and Associate Dean (University) presided over while Dr. S. S. Vaidyanath, Trustee of Agricultural Engineering, was present in the guest.

At the outset, Dr. K. H. Rao delivered introductory speech, addressing the participants. Dr. K. H. Rao said that Education, Research and Extension Education are the three areas of

Agro business management. Speaking on the occasion, Dr. Rajesh Kumar said the Agriculture scientists have to play an important role in developing agricultural and entrepreneurship. Addressing the function, Dr. S. N. Patel called upon agriculturalists to work for uprightness of farmers and their labours.

The stressed on need to open agro-based industries in rural areas to help farmers' economic development.

Dr. S. S. Haroon hoped that development programme will bring results in terms of capacity building and enhancing efficiency.

The participants were distributed certificates at the hands of the guests. Dr. Madhuresh Singh proposed a vote of thanks.

दैनिक हितावद

जति सुवा 24 फरवरी 2020 14

कृषि वैज्ञानिकों/बाणिज्य/मिताजुता

उद्योजकता विकास पर मार्गदर्शन व दस दिवसीय प्रशिक्षण कृषि वैज्ञानिकों की भूमिका अहम

कृषि क्षेत्र में उद्योजकता विकास के लिए कृषि वैज्ञानिकों की भूमिका अहम है, इसे सफल बनाने के लिए कृषि वैज्ञानिकों को उद्योजकता के क्षेत्र में प्रशिक्षण देना होगा, इस अवसर पर कृषि वैज्ञानिकों को उद्योजकता के क्षेत्र में मार्गदर्शन प्रदान किया गया।



कृषि उद्योजकता विकास कार्यक्रम के आयोजन में भाग ले रहे कृषि वैज्ञानिकों के साथ कार्यक्रम के अध्यक्षों का समूह।

कृषि क्षेत्र में उद्योजकता विकास के लिए कृषि वैज्ञानिकों की भूमिका अहम है, इसे सफल बनाने के लिए कृषि वैज्ञानिकों को उद्योजकता के क्षेत्र में प्रशिक्षण देना होगा, इस अवसर पर कृषि वैज्ञानिकों को उद्योजकता के क्षेत्र में मार्गदर्शन प्रदान किया गया।



NEWS Faculty Development program on "Enhancing Efficiency & Effectiveness of Teacher to Develop Entrepreneurship Ecosystem" by ICAR, NARRM Hyderabad organized under NAHEP (IG), Dr. PDKV, Akola (Duration -11-20 February, 2020)



शेतकरी, शेतमजुरांच्या समृद्धीकडे लक्ष देण्याची आवश्यकता : डॉ. पुरी

'पंढेकृवि' मध्ये दहादिवसीय प्रशिक्षणाचा समारोप

अकोला (प्रतिनिधी) : राष्ट्रीय शेतकरी विस्तार व शेतमजूर हे अर्थव्यवस्था समृद्ध करणे आवश्यक असून, याकडे लक्ष देण्यात यावे. अशाप्रकारे जाणवतात महामार्गाचा काळ देशातूनच घेऊन कुठे विक्रीसाठी घेणे गरजेचे असून डॉ. एस. ए. पुरी यांनी यावर बोलले. डॉ. पंढेकृवि हे शेतकरी शेतमजूर कुठे विक्रीसाठी जाऊन घेऊन येण्याची गरज असून यातून शेतकरी शेतमजूर यांचे जीवन सुधारण्यासाठी डॉ. एस. ए. पुरी यांनी यावर बोलले. डॉ. पंढेकृवि हे शेतकरी शेतमजूर कुठे विक्रीसाठी जाऊन घेऊन येण्याची गरज असून यातून शेतकरी शेतमजूर यांचे जीवन सुधारण्यासाठी डॉ. एस. ए. पुरी यांनी यावर बोलले.



NEWS Faculty Development program on
“Enhancing Efficiency & Effectiveness of Teacher to Develop Entrepreneurship Ecosystem”
 by ICAR, NARRM Hyderabad organized under NAHEP (IG), Dr. PDKV, Akola (Duration -11-20 February, 2020)

Success Story

Biogas based Electricity generation Plant:

The biogas-based electricity generation system developed under NAHEP at University Dairy, Dr. PDKV, Akola. The biogas of 50 m³ run successfully & electricity is supplied to dairy barn and PG student conducting experiments on scrubbing of biogas for electricity generation. This developed system is useful for the conducting practical and enhancing skill of the students and faculties.



Developed Biogas Based Electricity Plant

Success Story

Biomass based air heating system for the thermal application.

The biomass-based air heating system is designed and developed under NAHEP and installed at Biomass Experimentation Lab, Dr. PDKV, Akola. The developed system is useful for drying of grains, vegetable and medicinal crops. The system is operating on the controlled mechanism and system is helping students to enhance the skill during the practicals and leads towards the entrepreneurship.



Developed Biomass based air heating system for thermal application

Success Story

PDKV Research & Incubation Foundation

Maharashtra State Innovation Society, Government of Maharashtra has sanctioned PDKV Research & Incubation Foundation for the duration 2018-19 to 2022-23 which is having sanctioned grants of Rs. 500 Lakh. This incubation centre will help to the students, entrepreneurs, researchers, farmers to modify and development of innovation in to business. It will support to the students to leads towards the sustainable entrepreneur. It will take initiative for establishing start-up facilities in Agricultural Engineering & Renewable Energy. This programme will act as a catalyst to deliver the capacity building and skill development in agricultural and renewable energy for national building.



Letter of Intent received by Dr. M. B. Nagdeve, Dean (Faculty of Agricultural Engineering), Dr. PDKV, Akola at Governor House, Mumbai, Maharashtra

Success Story



Under green initiative 195 Kw solar power plant generate green energy which saved Rs. 16-17 Lakh (Approximate) per annum. It is estimated that this power plant will generate 2,76,900 unit per annum. The solar power plant is established by Cleanmax Enviro Energy Solutions Pvt. Ltd., Mumbai with collaboration of Deptt. of UCES & EE, Dr. PDKV, Akola.

Success Story



Dr. S. R. Kalbande, PI, NAHEP (IG) & Head (UCES & EE), Dr. PDKV, Akola is presented paper on “Utilisation of animal waste for power generation at university dairy” in the National Conference on “Role of Agricultural Engineering Innovations in Doubling Farmers Income” organised by CAE, UAS, Raichur, Karnataka during 12th to 14th March, 2020 and he has received “Best oral presentation award”

Success Story



Students from all four state agricultural universities of Maharashtra participated in the In –plant Training organized by NAHEP (IG), Dr. PDKV, Akola. Sate of art facilities for students hands on training are created. The students were gone through the practical's of making value added product from agro-produce with the help of Solar based technologies.

Success Story



For the first time in Dr. PDKV, Akola the University Alumni Meet is organized by NAHEP (IG), Dr. PDKV, Akola. The alumni of university, students and all faculties Approx. 1500 were attended the said alumni meet. The program was inaugurated at the auspicious hands of Alumnus Hon'ble Shri. Sunil Kedar, Cabinet Minister, Animal Husbandry, Dairy development, Sports and Youth Welfare, Govt. of Maharashtra. Alumnus Shri. Manoharji Chandrikapure, MLA, Morgoan Arjuni, Gondia and Alumnus Shri. Bharat Ganeshpure, Marathi Film Actor were present as a guest of honour to grace the occasion.

Success Story



Water supply arrangement through NAHEP (IG), Dr. PDKV, Akola increased green cover in the campus. Near about 100 No. of trees were planted in the college campus.

ICAR- Accreditation

Under NAHEP support, CAET, Akola has developed the various laboratories in renewable energy with state of art instrumentation and equipments. The developed laboratories are,

1. Advanced bioenergy lab
2. Solar Energy Lab
3. Renewable Energy Fabrication Lab
4. Solar energy experimentation lab
5. Biomass Experimentation Lab
6. NAHEP-CAET conference room

The above renovated laboratories and conference room equipped with modern instruments and help to the students in conducting new experiments and enhancing the skill in renewable energy. This developed and renovated laboratories has help CAET, Akola to upgrade the ICAR- Accreditation as earlier CAET, Akola is not accredited, due to NAHEP support CAET, Akola has achieved **A grade in ICAR-accreditation.**



NAHEP-CAET conference room



Renewable Energy Fabrication Lab

Advanced solar dryers for skill activities

Under NAHEP, Dr. PDKV, Akola has installed two solar dryers for drying application and enhancing the skill of students during the inplant training. This dryers may help to students to established the linkages as academia and entrepreneur.



Solar dryers for skill activities of students

4. Please provide the photographs of the activities (photographs should show some impact/achievement)

Please provide maximum 5 photographs with high quality (minimum 1-2MB) and label with suitable caption. Attach the photographs separately in the mail.



Brain storming workshop held on 23 July., 2019 at Committee Hall, Dr. PDKV, Akola.



Valedictory Program of National Training “Issues of Entrepreneurship in Agriculture and Technology” held on - 05 -14 November, 2019 at NAHEP (IG), Dr. PDKV, Akola.



Inaugural Program of National Conference on “Agricultural Engineering: 50 Years in Service of Farmers through Agro-Entrepreneurship” held during 29 -30 November, 2019.



Visit of Hon'ble Shree. Kailash Choudhary, Union Minister of State for Agriculture and Farmer Welfare, Government of India at stall of NAHEP (IG), Dr. PDKV, Akola during NAHEP Technology Demonstration Exhibition held at ICAR, New Delhi (duration: 05-06 August, 2020)

5. Challenges faced and lessons learnt under Component:

1	The activities like Industry -Institute Meet on “Innovative Startups in Agriculture Sector” and Sensitisation workshop on “Career opportunities in Agriculture and Allied Sectors” Cancelled due to precautionary measure to restrict the COVID-19 (Coronavirus). However, in-plant training was conducted through online using Zoom App, Whats App, E-mail tec. After cancellation of the two events, it was observed that online platform for conduction of training program is todays need. As per Govt. of India Zoom App is not safe hence if possible alternative methods like Mooc platform will be developed and soon made available.
2	As this center has main emphasis on the capacity building & skill development in renewable energy but online training program conduction is a new challenge. E-learning has convenient and flexible access for theory classes but there is limitation in case of exposure visit and conduction of practical classes for skill enhancing of students etc.

6. Plan ahead (Key activities) for next reporting period			
S.N.	Activity Name	Duration	Proposed Date
1	National level training		
i	Environmental practices and Renewable Energy Utilization	3 Weeks	September 01-21, 2020
ii	Indian Agricultural Education System and Entrepreneurship scope in 21 st century	10 days	July 21-30, 2020
iii	National level in-plant training for student	16 Weeks	January 01 to April 30, 2021
iv	Summer training for student	04 Weeks	June 1-30, 2020
2	International level training		
i	Road map for learning approaches in agriculture education for sustainable entrepreneurship development	03 Weeks	Sept. 30 to Oct. 19, 2020
3	Short visit/ Seminar		
i	Educational visit/ Industry tour	10 days	December 21-30, 2020
ii	Organization of National Conference on Networking of agricultural Education in India: Scenario of 2050	02 days	November 10-11, 2020
iii	Organization of International Conference on Agricultural Education and Research for future Livelihood	02 days	February 03-04, 2021
4	Meetings and Workshop		
i	Brain storming session on Student empowerment in current scenario of agricultural education	01 day	July 15, 2020
ii	Industry -Institute Meet – Coping the Students as the Business Entrepreneurs	01 day	Oct. 28, 2020
iii	Organization of Expert Lecture Series of National and abroad level eminent scientist and engineer, and successful business or entrepreneur - 10 expert lectures	1 lecture/ day	During 2020-21
iv	Alumni Meet of Agricultural Engineering	02 days	Dec. 02-03, 2020