

डॉ॰ राजेन्द्र प्रसाद केन्द्रीय कृषि विश्वविद्यालय, पूसा, बिहार विकसित भारत DR. RAJENDRA PRASAD CENTRAL AGRICULTURAL UNIVERSITY, PUSA, BIHAR



COLLEGE OF COMMUNITY SCIENCE

At a Glance





















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About CCS

The College of Home Science, Pusa was established in the year 1982 to foster the growth, development and well-being of individual, families and communities in the state of Bihar. The college was started with the vision of upliftment and providing better education and job opportunity to students. During the year 1998, three years degree programme was upgraded as a four years professional degree course. Realizing the changing need in present scenario, the institution upheld the 5th Dean's Committee of ICAR recommendation in vocationalising the curricula and



Dr. Usha SinghDean

renamed as College of Community Science during 2017. Presently, the Under Graduate Programme, B. Sc. (Hons) Community Science is four years degree programme consisting of three years of general orientation to all the five subjects of Community Science and one year of Hands on experience in the area of specialization chosen by the students. In the 5th Dean's Committee recommendation Students Ready Programme has been introduced which includes Experiential Learning and Rural Agricultural Work Experience, In-plant Training /Industrial Attachment/Hands on Training /Skill Development Training. Post Graduate programme in Food and Nutrition and Extension Education and Communication Management was started in 1999. Further, PG programme has been started in Resource Management and Consumer Science (2014) and Apparel and Textile Science (2020). The College has Ph.D. programme in Food and Nutrition since 2020. Thus, the College of Community Science, Pusa continues its journey of excellence with its mandate and mission of improving life of community people through education, research and extension. Four years degree programme in Food Nutrition and Dietetics with the nomenclature of B. Sc. (Hons) Food Nutrition and Dietetics is going to start in current academic year 2024-2025.



Location

The College is located in the main campus of Dr. Rajendra Prasad Central Agricultural University, Pusa (25.98°N 85.67°E and 52M above mean sea level) in North Bihar. The Railway Junction Samastipur is about 20 km and nearest Railway Station is Khudiram Bose Pusa Road about 9 km from the main campus.

Mission

- To provide programme of instruction and training towards fulfilling the need of rural families/ communities.
- ❖ To build up postgraduate programme for preparing competent professionals to function as teacher / scientist/ extensionist.
- ❖ To promote analytical abilities among students towards innovative research to augment the quality of life of family and community in the changing scenario.
- ❖ To enhance entrepreneurial skills for self-employment and income generation.
- Transfer of technology from institution to community for better living.

CCS @ a glance — 01

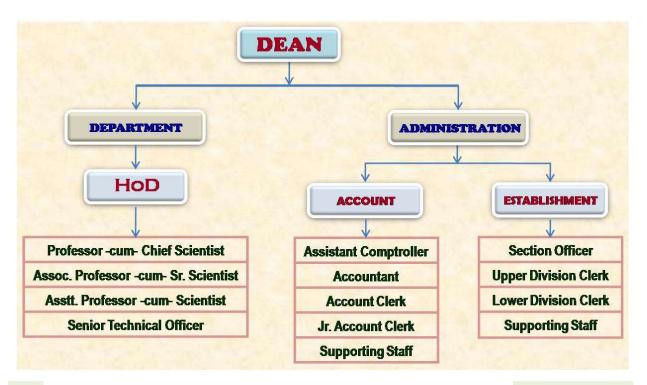
Goals

- Quality living of individuals in rural families and communities through teaching, research and extension activities.
- ❖ Development of technologies and carry out advance research for academic as well as farm families for the prosperity and advancement of the society.
- ❖ Support services to industries and communities for better resource management and also towards national development.

Objectives

- ❖ Teaching of undergraduate, postgraduate and Ph.D. students for preparing competent professionals to function as Professors, Scientists etc.
- ❖ Conducting need based research to improve the quality of individual life and society.
- Developing linkage with National, International Organizations for research on various aspects.
- Organizing and conducting on-campus and off-campus capacity building programme for farm women/ farmers/ youth to develop their skills and create awareness regarding utilization of various local resources, art and waste products for self-employment/ entrepreneurship development.
- ❖ Disseminating the scientific technology information to the community through various extension activities.
- Conducting short duration vocational training for farm women, youth and farmers.
- Providing programme of instruction and training towards fulfilling the need of community.

Organization Set-up



INFRASTRUCTURE



Smart Class Room



Seminar Hall



Well Equipped Laboratories



Meeting Hall



Apparel & Textile Design



AICRP on WIA



Maize Processing Centre

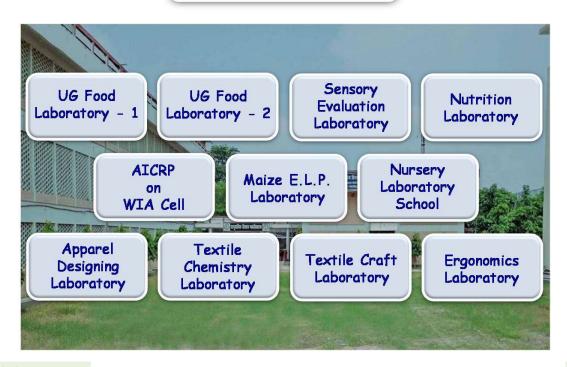


Computer Lab.



Nursery Lab. School

LABORATORIES



CCS @ a glance 03

STAFF POSITIONS

Faculty Position

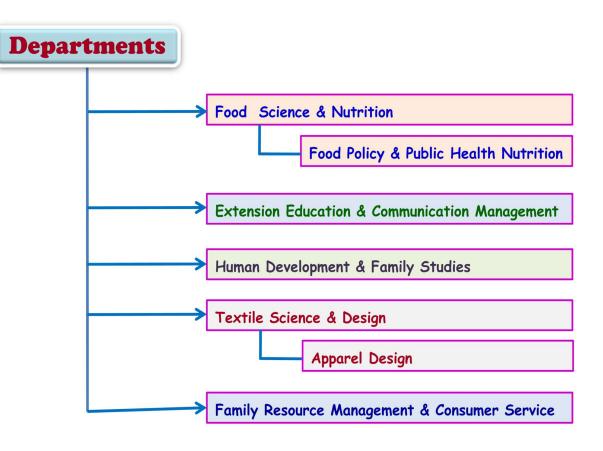
	Number of Faculty Positions (Nos.)					
Department	Sanctioned			In Position		
Department	Professor	Associate Professor	Assistant Professor	Professor	Associate Professor	Assistant Professor
Dean	1	0	0	0	0	0
Food & Nutrition • Food Science & Nutrition • Food Policy & Public Health Nutrition	1	2	5	1	3	2
Extension Education & Communication Management	1	1	4	0	0	2
Human Development & Family Studies	0	2	4	2	0	1
Textile and Apparel Designing • Textile Science & Design • Apparel Design	0	1	5	2	0	1
Family Resource Management and Consumer Science	1	1	4	1	0	0
Total	4	7	22	6	3	6

Note: Filled-up posts of Professors and Associate Professors promoted through CAS

Technical/ Administrative/ SSS

Donautmont	In Position (Nos.)			
Department	Technical	Administrative	Supporting	
Dean Office	2	8	3	
Food & Nutrition				
Food Science & Nutrition	1	0	1	
Food Policy & Public Health Nutrition				
Extension Education & Communication	2	0	1	
Management	2	U		
Human Development & Family Studies	1	0	2	
Textile and Apparel Designing				
Textile Science & Design	2	0	0	
Apparel Design				
Family Resource Management and	2	0	0	
Consumer Science	2	0	0	
Total	10	8	11	

Note: Four (04) SSS deputed outside college.





MONITORING MECHANISM

TEACHING =>

- ❖ Close circuit camera linked to the office of the Dean.
- Monthly meeting with HoDs
- Theory & Practical Class Log book.
- Online classes conducted on virtual platform.
- **❖ Surprise** visit.

RESEARCH

- Advisory committee guides and monitors all aspects of PG Research work.
- * Research projects are monitored by HoD & Dean of the College.
- * Research projects are critically evaluated at **Research Council Meeting**.

EXTENSION =>

- Transfer the technologies through different projects.
- ❖ Active participation in **Kisan Mela**.
- Popularize developed technologies through various extension tools & techniques.
- ❖ On Campus & Off Campus capacity building program.

CCS @ a glance

Academic Activities

Curriculum Adopted as per 5th Dean's Committee Recommendation for UG program Curriculum Adopted for PG &
Ph.D. program
as per
Broad Subject
Matter Area Committee, ICAR
recommendation

Academic programme of College of Community Science aims to provide technical education for the development of technical manpower through its five (05) departments.

Programme Offered

U. G. Degree Programme

- ❖ B. Sc. (Hons.) Community Science
- B. Sc. (Hons.) Food Nutrition & Dietetics*
 (*Introduction of new course in current session 2024-25)

On the recommendation of 5th Dean's Committee Report, at Under Graduate level emphasis has been given more on professional & skill development courses. The syllabus consists of total 180 credit hours, in which core course of 102 credits and 38 credits for basic supporting courses of Science, Agriculture, and Humanities for first three years. Student READY programmes of 40 credits are being implemented in last year of the degree programme under which one semester is devoted for Experiential Learning/ Skill development and other semester for Rural Agriculture Work Experience and Job Training through Industrial attachment.

P.G. Programme

After approval from Academic Council, P.G. Programme is going on in four departments: (i) Food Science & Nutrition, (ii) Extension Education and Communication Management, (iii) Resource Management and Consumer Science and (iv) Textile and Apparel Designing. As per ICAR syllabus of Broad Subject Matter Area (BSMA) committee, total 70 credit hours are being offered including Major Courses, Minor courses, Supporting Courses, Seminar and Thesis research under Post Graduate Programme.

Ph.D. Programme

At present Ph. D. Programme in the department of Food Science & Nutrition is running in the college as per ICAR syllabus recommended by Broad Subject Matter Area (BSMA) committee, in which a total of 100 credits are being offered for Major courses, Minor Courses, Supporting Courses, Seminar and Thesis research.

B.Sc.(Hons.)
Community Science
4 yrs.



Ph.D. Community Science 3 yrs.

Students Strength

S.	Dograd Programma	Sanctioned		Existing	
No.	Degree Programme Sanctioned		2021	2022	2023–24
1.	B. Sc. (Hons) Community Science	40	32	18	20
2.	M. Sc. (Food & Nutrition)	05	04	04	03
3.	M. Sc. (Extension Education & Communication Management)	08	09*	09*	05
4.	M. Sc. (Resource Management & Consumer Sciences)	05	03	03	01
5.	M. Sc. (Textile and Apparel Designing)	05	04	04	03
6.	Ph. D. (Food & Nutrition)	02	02	02	-

^{*}EWS (one student)

Placement



Vivek Swaroop Roll: 2006101030



Sagar Aryaman Roll : 2006101024



Babul Kumar Roll: 2006101032



Deepak Meena Roll: 2006101065



Devender Pal Roll: 2006101006



Faizan Ansari Roll: 2006101012



Manvi Roll: 2006101062



Naveen Roll : 2006101014



Pushpendra Godara Roll: 2006101036



Rahul Kr Sahu Roll : 2006101019



Rajendra Kr Bairwa Roll : 2006101020



Sachin Bansare Roll: 2006101023



Abha Ayushree Roll: 1806202001



Aparna Sahu Roll : 1806202002



Jharana Panda Roll : 1906202005



Sasmita Dandasena Roll: 1906201001

Higher Studies

S. No.	Name of Students	Institute	Subject
1.	Mr. Rohit Kumar	BBAU, Lucknow, UP	M.Sc., HDFS
2.	Ms. Muskan	MPUAT, Udaipur, Rajasthan	M.Sc., Food & Nutrition
3.	Ms. Khushbu Singh	MPUAT, Udaipur, Rajasthan	M.Sc., Food & Nutrition
4.	Mr. Aritra Nayak	RPCAU, Pusa, Bihar	M.Sc., EECM
5.	Mr. Anil Paraswal	AAU, Assam	M.Sc., Food & Nutrition
6.	Mr. Gaurav Dhaked	MPUAT, Udaipur, Rajasthan	M.Sc., Food & Nutrition
7.	Ms. Nisha Yadav	GBPUT, Pantnagar, UK	M.Sc., Food & Nutrition
8.	Mr. Vikas Kushwaha	NIN, Hyderabad, Telangana	M.Sc., Food & Nutrition
9.	Mr. Shiv Kumar Kakodiya	Dantiwada, Gujrat	M.Sc., Food & Nutrition
10.	Mr. Kumud Kant Tiwary	RPCAU, Pusa, Bihar	M.Sc., EECM
11.	Ms. Neha Sharma	BBAU, Lucknow, UP	M.Sc., Food & Nutrition
12.	Ms. Aarti Jangir	CCHAU, Hisar, Haryana	M.Sc., Clothing & Textile
13.	Mr. Devender Pal	MSU Baroda, Gujrat	Life Spam Development
14.	Ms. Madhusmita Nahak	Lady Irwin College, Delhi	Food and Nutrition
15.	Ms. Priya Sinha	Lady Irwin College, Delhi	Food and Nutrition
16.	Mr. Rahul Kumar Sahu	IIT Guwahati, Assam	Rural Technology
17.	Ms. Parul Priya	ISM Dhanbad, Jharkhand	Digital Humanities and
			Social Science
18.	Mr. Pushpendra Godara	BBAU, Lucknow, UP	Food and Nutrition
19.	Ms. Charvi Khandelwal	NIFITEM, Sonipat, Haryana	Food and Nutrition
20. 21.	Mr. Deepak Meena Miss. Nisha Arya	IIT Tirupati, Andhra Pradesh M.S. University, Vadodara	M.Sc. in Public Policy Ph.D. in Family Resource
21.	Miss. Misha Arya	Gujarat	Management
22.	Miss. Alinda Kashyap	M.S. University, Vadodara	Ph.D. in Family Resource
	·	Gujarat	Management
23.	Miss. Anushka Tiwari	MPAUT, Udaipur Rajasthan	Ph.D. in Resource Management & Consumer Science
24.	Miss. Alena Takhellambam	GBPUT, Pantnagar, UK	Ph.D. in Family Resource
		_	Management
25.	Miss. Bachana Kumari	MPAUT, Udaipur, Rajasthan	Ph.D. in Family Resource Management
26.	Miss. Sushree Sangita Choudhary	Lady Irwin College, New Delhi	Ph.D. in Food & Nutrition
27.	Miss. Seema	KAU, Kerla	Ph.D. in Food & Nutrition
28.	Miss. Sushma Mongbijam	National Sports University, Imphal, Manipur	Ph.D. in Food & Nutrition
29.	Miss. Mamali Sethi	RPCAU, Pusa, Bihar	Ph.D. in Food & Nutrition
30.	Miss. C. Hima Bindu	KAU, Kerala	Ph.D. in Food & Nutrition
31.	Miss. Nikita Singh	ANGRAU, Andhra Pradesh	Ph.D. in Food & Nutrition
32.	Miss. Swarnika Bansal	GBPUT, Pantnagar, UK	Ph.D. in Food & Nutrition
33.	Miss. Anjali Yadav	CSAUA&T, Kanpur, UP	Ph.D. in Food & Nutrition
34.	Miss. Yogitha Gunupuru	CCHAU, Hisar, Haryana	Ph.D in Clothing & Textile

O8 — CCS @ a glance

Job Opportunities

Food Science & Nutrition

- Dietician in Health Club and Hospitals
- University services / Teaching in Govt. / Private colleges
- School administration
- Food Quality Manager in Hotels and Hospitals
- Project officers in NGOs, WHO, VLCC, UNICEF
- Health clubs / Fitness centers/ Hospitals
- Consultants in nutrition related media ads.
- Quality controller with Food Processing industries.
- Nutritionists in Food and Nutraceuticals industries
- Public Health programmer, Development officer for supplementary and weaning food preparations
- ❖ Food analysts, Food scientists, Research Assistants, Supervisors/Demonstartors in Food processing companies, Food research labs and hotels
- Catering management in Hotels, tourist resorts, hostels factories, fast food joints, airlines and industrial canteen
- ❖ Dietary counseling cell, cafeteria, bakery, confectionary, hotels, canteens etc.





- Media Planner and Manager
- Programme Coordinator
- Journalist & Editor
- Training Coordinator
- Advertisement Designer
- Marketing Manager
- NGO owner
- Employment in Universities, Schools, NGOs, etc.
- Web Designer
- ❖ Establishment of multimedia production unit as an enterprise
- Establishment of documentary/educational film production unit as an enterprise

Family Resource Management & Consumer Service

- Job and business opportunities in Institutional Housekeeping and Hospitality Management (Hostess, Table Service Managers, Front Office Managers, House Keeper, Interior Designer and Decorator, Tour Manager, Receptionists, Hostel/ Hospital Superintendent etc.)
- ❖ Job and business opportunities in Interior and Exterior Designing (Interior designer, Interior decorator, Landscape designer, Space designer etc.).
- colleges etc., In Research Projects: as
- Academics (Teachers in University, Government colleges etc., In Research Projects: as Principal investigator, Research assistant, Senior Research Fellow/ Supervisor, SMS, Technical Assistant etc.).
- Non Government Organizations (Project Coordinator/Investigator, Field Officer etc.).



Textile Science & Design



- Professors/Scientists in University
- Designer in apparel/ textile-based Export houses
- Designer in garment production centre
- Supervisor/Manager in dyeing and printing unit

- Lecturer in Govt./Private Colleges
- Quality Control Manager in testing labs
- Fashion retail manager
- Fashion advisor
- Production supervisor
- Merchandisers
- Quality control supervisors
- CAD professionals
- ❖ Textile consultant
- Boutiques manager
- Fashion photographer
- Entrepreneur
- Textile designer
- Fashion designer
- Free-lancer fashion designers

Human Development & Family Studies

- Teaching, Scientist, Research fellows etc.
- Manager/ programme planner/ coordinator in ECCE centres
- Various positions in Developmental Assessment Labs.
- Project Officers/ Supervisors in Government departments like Health & Social Welfare department
- Consultants/Co-ordinators in different organizations like UNICEF, NIPCCD, Ministry of Women and Child Development, NCW.
- Family & marriage counselors.
- Entrepreneurs in Early Childhood Care & Management and day care.



Where Alumni Goes

Higher Studies

SAU, CAU, CU, CFTRI, NIN, IITs, TISS, NIFTEM

Work at Government Sector

Work at Private Sector

Self Enterprises

Research Activities & Achievements

ACTIVITIES

ACHIEVEMENTS

Development
of technology for
commercial
preparation of
Herbal Gulal





Up-scaling of Herbal Gulal

Development of Banana Fiber Products





Extraction of Banana fiber & product development

Development of Value added food Products





Product developed & technology adopted by the State Government

Development
of model for
comprehensive community
based management of
acute malnutrition



Developed model for comprehensive community based Management of Acute Malnutrition at Purnea (98 AWC) & Sitamarhi (152 AWCs)

AICRP on Women in Agriculture (WIA)



Data collection for farm
women activities,
Entrepreneurship
development, Technology
assessment & refinement,
Technology dissemination,
Capacity building programme

ACTIVITIES

ACHIEVEMENTS

To adopt the management of acute malnutrition with home augmented food and its close monitoring



80-85% children with acute malnutrition have been cured at Community level with homeaugmented food & continuous monitoring.

Scaling up
of the model for
Comprehensive Community
Based Management of Acute
Malnutrition in five
Aspirational districts
of Bihar



Model has been scaled up for implementation in 396 AWCs under
66 blocks of 5 Aspirational Districts of Bihar (Begusarai, Sitamarhi, Sheikhpura, Araria & Katihar).

Development of machine (in collaboration with College of Agril. Engg., RPCAU, Pusa)



Hand Cranked Improved
Chakki has been
developed. It is useful for
preparation of Balahaar,
Dal making and other
nutritious food products.
(Patent granted in 2022)

Development
of
Electric Okhali for
dehusking of small millets
and other grains.



Electric Okhali has been developed for dehusking of small millets & other food grains (Patent granted in 2023)

Development of the product "Balshakti"



The product "Balshakti" has been developed considering the need of severely acute malnourished children.

Establishment of
Nutri-enterprise
Skill development to 5
group JEEVIKA

(each of 20 women)



02 Units of Balahar production has been established (one at Pusa block of Samastipur district and the other at Narayanpur block of Bhagalpur district.
01 Unit of Dalia production has been established at Tajpur block of Samastipur District.

Research Projects

18 Research Projects have been/being handled by the scientists of College of Community Science funded by different Agencies during the year 2017 – 24.

S. No.	Funded by	Title of Project	Year of start	Status
1.	UNICEF	Capacity Building of Poshan Sakhi and Kishori Sakhi on Diet Diversity for enhancing nutritional status of Adolescent and Women	2017	Completed
2.	UNICEF	Strengthening Play and Early Childhood Stimulation at Nutrition Rehabilitation Centres (NRCs) for Holistic Development of Children	2017	Completed
3.	University	Effect enzyme pre-treatments on Eco – friendly natural dyeing	2017	Completed
4.	UNICEF	Improvement in Health and Nutrition among Infants, Children Adolescents and <i>at risk</i> mothers Through Diversification in Diet by Establishing Centre for Improvement of Diets in Bihar	2018	Completed
5.	UNICEF	Management of Acute Malnutrition through Food Based Approach	2018	Completed
6.	ICAR	All India Coordinated Project on Women in Agriculture	2018	Continuing
7.	Govt of Bihar (NNM)	Promotion of Home-based Nutritional therapy & Care Process to Combat Severe Acute Malnutrition in Children under 5 Years of age at Sitamarhi	2019	Completed
8.	University	Extraction of fibres from banana plants and analysis of their properties for utilization	2020	Completed
9.	University	Up scaling of Herbal Gulal	2020	Completed
10.	UNICEF	Management of Malnutrition through Food Based Approach by Providing Hand-holding support for Monitoring and supervision	2021	Completed
11.	UNICEF	Identification and Prevention of Severe Acute Malnutrition through Promotion of Complementary Feeding Practices at Community Level in Five Aspirational Districts	2021	Completed
12.	PCI, India	Developing Health and Nutri-Enterprises	2022	Completed
13.	University	Development and evaluation of value-added baked products from cereals and Millets	2021	Completed
14.	University	Holistic banana product by product utilization scheme for North Bihar Condition	2021	Completed
15.	Harvest Plus	Developing Bio-fortified Nutri-Mix Products Targeted to Address Acute Malnutrition in Bihar	2022	Completed
16.	NABARD	Enhancing income of farmers through value chain development of Millets in Samastipur district in Bihar	2023	Continuing
17.	University	Estimation of sulphur content of cruciferous vegetables and its possible uses as natural preservative.	2024	Continuing
18.	UNICEF	Management of Early Childhood Development through Promotion and Care Practices in Aspirational Districts of Bihar	2024	Continuing

CCS @ a glance ______ 13

MoU Signed between RPCAU Pusa & other Agencies: CCS Efforts

S. No.	Agencies	Aspects
1.	UNICEF	Stop Stunting in Bihar
2.	Khadi India	Herbal Gulal & Banana Fibre Products
3.	M/s Kishan Agro,	Production & Commercialization of Hand-cranked
	Bihar Sharif (Nalanda), Bihar	Improved Chakki
4.	M/s Binod Engineering,	Production & Commercialization of Electric Okhali
	Bihiya (Bhojpur), Bihar	
5.	Project Concern International	Hands on training on Nutri-food and its adoption as
	(PCI)	enterprise by JEEViKA group

Machine Developed (Interdisciplinary)

Hand Cranked Improved Chakki

Salient Features:

The machine is manually operated with provision of gap adjustment between two stones fitted for grinding the grains. The machine has specialty in respect of movement of stones and works in the fashion similar to traditional chakki. The machine is provided with a hopper, grain collector, feeding port, bevel gear assembly, frame and product collecting pan. It can be operated in standing posture or by sitting on chair with less drudgery. The machine is very much suitable for preparation of dal, dalia, suji, aata, besan and sattu. The quality of dal produced by the machine is excellent and the machine has potential for commercial use by the small farmers.



Electric Mortar & Pestle (Okhali)

Salient Features:

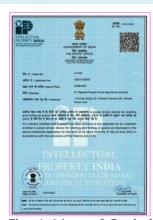
The machine is electrically operated and it is fitted with 1.0 hp single phase motor for its compatibility of use in houses. The machine is comprised of a wooden mortar, metallic pestle, frame, hopper, blower and sieve arrangement so that selling of grain and its cleaning may be completed by this machine. The mortar of machine is fitted with a pair of agitators that revolves at uniform speed inside the mortar with the help of ring gear so that thrust created by the pestle may get distributed uniformly over the grains for better output and satisfactory work. The capacity of machine is 8-10 kg/h in rice, 8-12 kg/h in wheat and 1.75-2.0 kg/h for barnyard millet. It has the ability to complete all work that are usually performed by the traditional Okhali.



Patents



Hand Cranked Improved Chakki



Electric Mortar & Pestle (Okhali)



Energy Dense Nutritive Food

4 CCS @ a glance

Extension Activities

Empowerment of farm women in ICT.

Training
on
Herbal Gulal to KVKs.

Food Product development training on different crops.

Distribution of Balshakti during Covid-19 Pandemic Capacity building of Cooks, Nodal teachers, School teachers, Block Community Mobilizer regarding the Nutrition Garden Project (Ankuran)

Mask making & its distribution during Covid-19 Pandemic

Training
On
low cost fashion
jewellery

Capacity building training on ICT to farm women.

On campus training on extraction of Banana fibre & its handicrafts.





Capacity building of
District Level, Middle Level
& Front Line Workers of
ICDS & Health Deptt. of
different districts
of Bihar.

Imparted live training to all State level officers, Development partners, District program officers, Mid level & AWWs of all over Bihar for preparation of Paushtik Laddoo & other nutririch foods through Zoom and YouTube

Organisation
of
quiz competition among
school children for nutrition
knowledge up-gradation

Exhibits displayed during Kisan Mela organised by RPCAU for rural community Dissemination of technology for better community living through electronic & press media Skill development training under AICRP on Mithila painting, Garment construction, Mushroom products & processing



























COLLEGE OF COMMUNITY SCIENCE

DR. RAJENDRA PRASAD CENTRAL AGRICULTURAL UNIVERSITY

Pusa, Samastipur (Bihar) – 848125