



COLLEGE OF COMMUNITY SCIENCE

At a Glance



COLLEGE OF COMMUNITY SCIENCE
DR. RAJENDRA PRASAD CENTRAL AGRICULTURAL UNIVERSITY, PUSA, BIHAR



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About CCS

The **College of Home Science, Pusa** was established in the year 1982 to foster the growth, development and wellbeing 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 job scenario, the institution upheld the 5th Dean's Committee of ICAR recommendation in vocationalising the curricula and 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. The College initiated Post Graduate programme in Food and Nutrition and Extension Education and Communication Management in 1999. The PG programme in Resource Management and Consumer Science and in Apparel and Textile Science was started in 2014 and 2020. The Ph.D. programme in Food and Nutrition was started in the year 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. A new degree programme B. Sc. (Hons.) Food Nutrition and Dietetics was started in the year 2024.



Dr. Usha Singh
Dean



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 professor / scientist.
- ❖ 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.

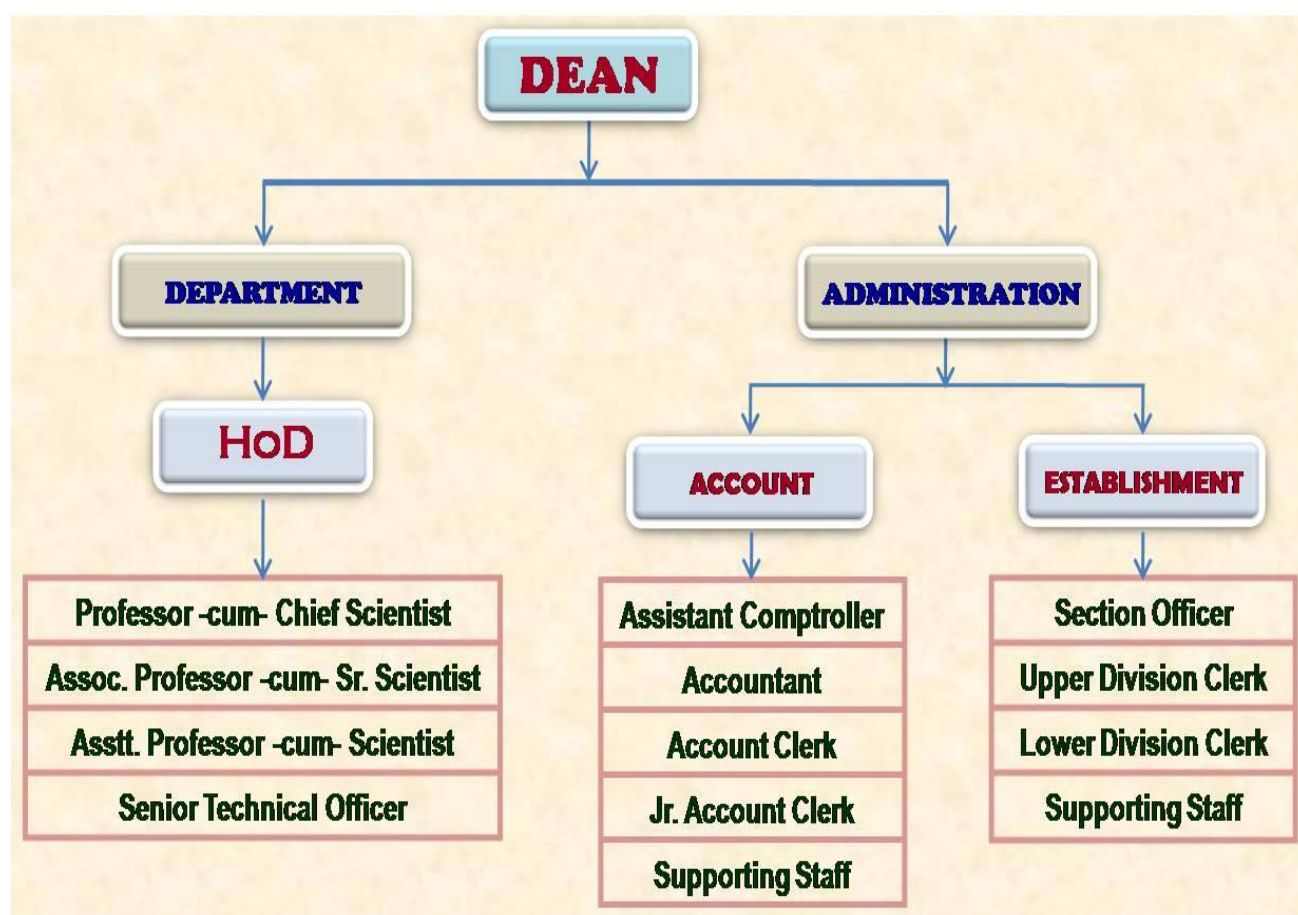
Goals

- ❖ Enhance the quality living of individuals in general and rural or urban families and communities in particular through teaching, research and extension activities.
- ❖ Develop technologies and carry out advance research for academic as well as farm families for the prosperity and advancement of the society.
- ❖ Service support to industries and communities that would help them to become better resource managers and contribute towards sustainable development goal.

Objectives

- ❖ Providing programme of instruction and training towards fulfilling the need of rural families.
- ❖ 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 service support to industries.
- ❖ Transfer of technology from Institution to Community for better living.

Organization Set-up



INFRASTRUCTURE



Smart Lecture Room Cum Auditorium



Smart Class Room



Smart Class Room



Committee Room with Video Conferencing



Apparel & Textile Design



AICRP on WIA



Maize Processing Centre



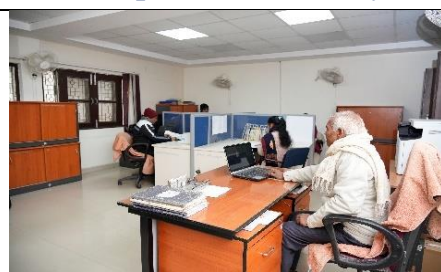
Computer Laboratory



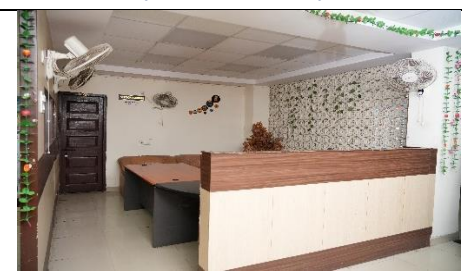
Nursery Laboratory School



Academic Cell



Administrative Room



Visitor's Room



Aryabhata Girls Hostel

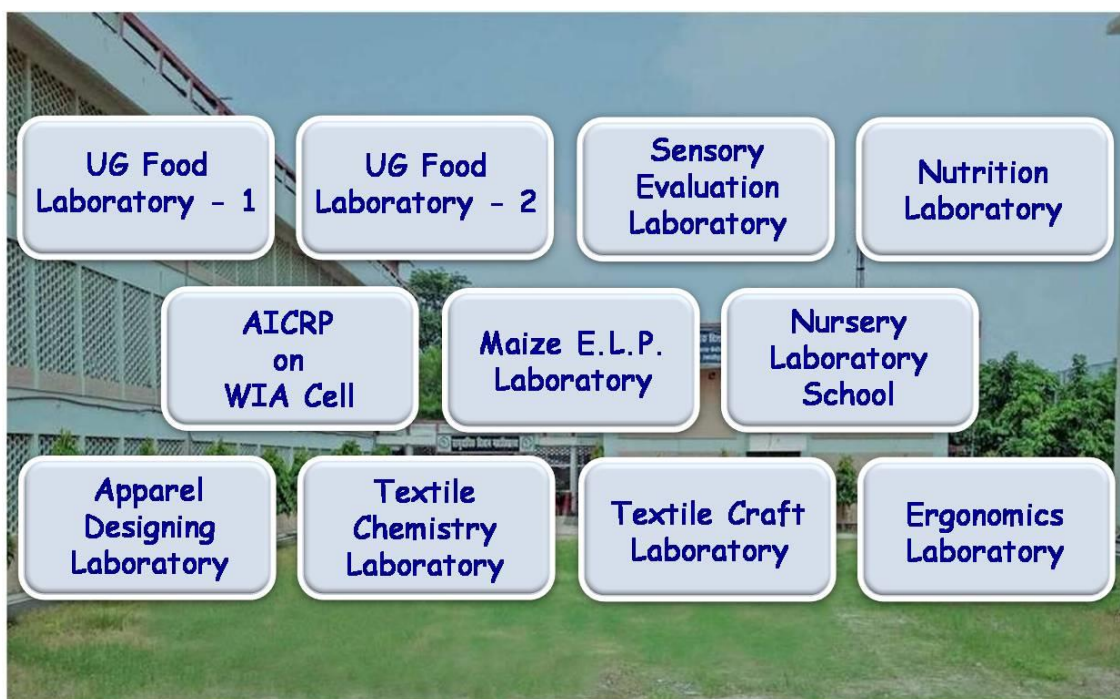


Vikramshila Boys Hostel



University Guest House

LABORATORIES



STAFF POSITIONS

Faculty Position

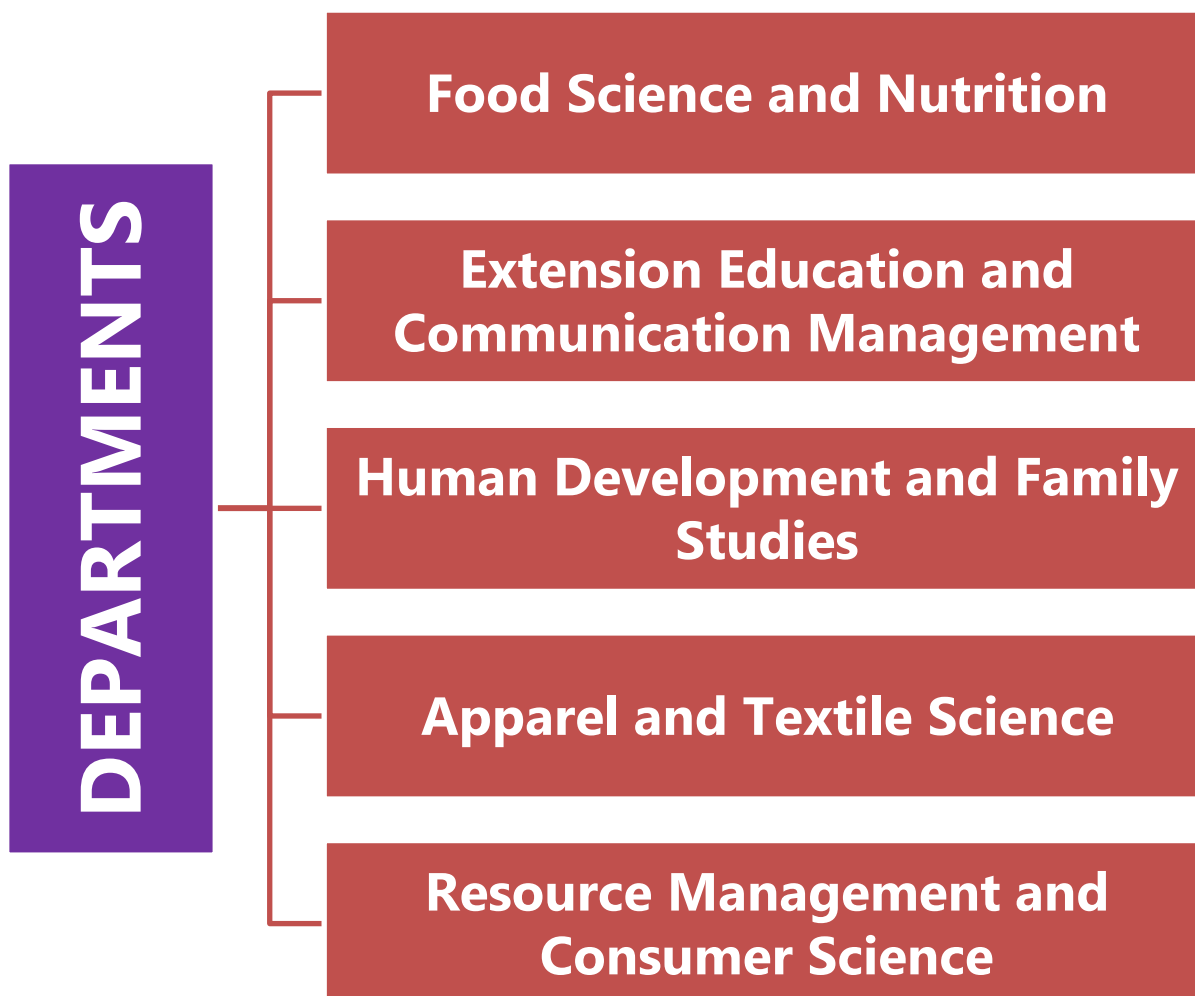
Department	Number of Faculty Positions (Nos.)					
	Sanctioned			In Position		
	Professor	Associate Professor	Assistant Professor	Professor	Associate Professor	Assistant Professor
Dean	1	0	0	1*	0	0
Food Science & Nutrition • Food Science & Nutrition • Food Policy & Public Health Nutrition	1	2	5	1	2	3
Extension Education & Communication Management	1	1	4	2	0	2
Human Development & Family Studies	1	2	4	1	0	1
Apparel and Textile Science • Textile Science & Design • Apparel Design	1	1	5	1	0	2
Resource Management and Consumer Science	1	1	4	1	0	1
Total	5	7	22	6	2	9

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

Technical/ Administrative/ SSS

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

Note: Four (04) SSS deputed outside college.

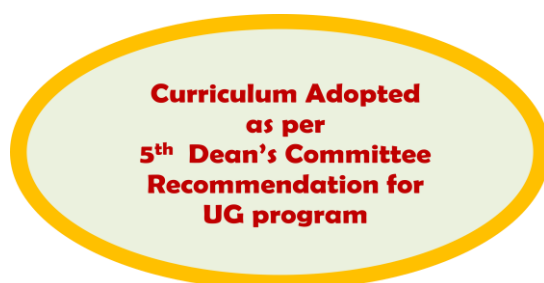




MONITORING MECHANISM

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.

Academic Activities



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

On the recommendation of 6th Dean's Committee Report, at the Under Graduate level, emphasis has been given more on professional & skill development courses. The syllabus consists of a total of 177 credit hours, comprising 121 credits of core courses and 20 credits of elective courses. RAWE, Implant and ELP programmes of 20 credits conducted in last semester of the degree programme. The students will choose 10 credits of online MOOC courses through various platforms such as SWAYAM, IGNOU, Coursera, Udemy, etc.

P.G. Programme

P.G. Programme of 04 departments has been approved by the Academic Council. At present department of Food Science & Nutrition, Extension Education and Communication Management, Resource Management and Consumer Science and Apparel and Textile Science are awarding the Post Graduate degree. A total of 70 credit hours is offered including Major 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 according to the Broad Subject Matter Area (BSMA) committee, in which a total of 25 credits is offered including Major Courses, Supporting Courses, Seminar and 75 credits for thesis research.



Students Strength

S. No.	Degree Programme	Sanctioned	Existing		
			2023-24	2024-25	2025-26
1.	B. Sc. (Hons.) Community Science	44	20	26	33
2.	B. Sc. (Hons.) Food Nutrition and Dietetics	22	00	16	22
3.	M. Sc. (Food & Nutrition)	07	03	06	6
4.	M. Sc. (Extension Education & Communication Management)	09	05	08	2
5.	M. Sc. (Resource Management & Consumer Sciences)	05	01	Nil	3
6.	M. Sc. (Apparel and Textile Science)	05	03	02	2
7.	Ph. D. (Food & Nutrition)	02	Nil	02	2

Placement



Vivek Swaroop



Sagar Aryaman



Babul Kumar



Deepak Meena



Devender Pal



Faizan Ansari



Manvi



Naveen



Pushpendra Godara



Rahul Kr Sahu



Rajendra Kr Bairwa



Sachin Bansare



Abha Ayushree



Aparna Sahu



Jharana Panda



Sasmita Dandasena

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.	Mr. Deepak Meena	IIT Tirupati, Andhra Pradesh	M.Sc. in Public Policy
21.	Miss. Nisha Arya	M.S. University, Vadodara Gujarat	Ph.D. in Family Resource Management
22.	Miss. Alinda Kashyap	M.S. University, Vadodara Gujarat	Ph.D. in Family Resource 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

Food Science & Nutrition



- ❖ Dietician in Health Club and Hospitals
 - ❖ University services / Teaching Govt. / part time/ contractual/ private college teaching
 - ❖ School administration
 - ❖ Nutritionist in food and nutraceuticals industries
 - ❖ Public health programmer, Development officer for supplementary and weaning food preparations
 - ❖ Food processing companies, food research lab. and hotels employ research assistants, food analysts, demonstrator's food scientists
 - ❖ Catering management in hotels, tourist resorts, hostels factories, fast food joints, airlines and industrial canteen
 - ❖ Dietary counselling cell, cafeteria, bakery, confectionary, hotels, canteens etc.
- ❖ Project officers in NGOs, WHO, VLCC, UNICEF
 - ❖ Health clubs / Fitness centers/ Hospitals
 - ❖ Consultant in nutrition related media ads.
 - ❖ Quality controller with food processing industries.
 - ❖ Food Quality Manager in Hotels and Hospitals

Extension Education & Communication Management



- ❖ Establishment of multimedia production unit as an enterprise
- ❖ Establishment of documentary/educational film production unit as an enterprise

- ❖ Media Planner and Manager
- ❖ Programme Coordinator
- ❖ Journalist & Editor
- ❖ Training Coordinator
- ❖ Advertisement Designer
- ❖ Marketing Manager
- ❖ NGO owner
- ❖ Employment in Universities, Schools, NGOs, etc.
- ❖ Web Designer

Resource Management & Consumer Science



- ❖ 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.).
- ❖ Academics (Teachers in University, Government colleges etc., In Research Projects: as Principal investigator, Research assistant, Senior Research Fellow/ Supervisor, SMS, Technical Assistant etc.).
- ❖ Non-Governmental Organizations (Project Coordinator/Investigator, Field Officer etc.).

Apparel and Textile Science



- ❖ Lecturer in Govt./Private Colleges
- ❖ SRF in AICRP research project
- ❖ Principal /lecturer in School
- ❖ NGOs
- ❖ Production supervisor
- ❖ Guest faculty in College/University
- ❖ Designer in apparel/ textile-based Export houses
- ❖ Designer in garment production centre
- ❖ Supervisor/Manager in dyeing and printing unit
- ❖ Quality control manager in testing labs
- ❖ Merchandisers
- ❖ Quality control supervisors
- ❖ CAD professionals
- ❖ Textile consultant
- ❖ Boutiques manager
- ❖ Fashion photographer
- ❖ Entrepreneur
- ❖ Textile designer
- ❖ Fashion designer/ Fashion Advisor
- ❖ Free-lancer fashion designers
- ❖ Fashion retail manager, etc.

Human Development & Family Studies



- ❖ Teaching, Scientist, Research fellow etc.
- ❖ Manager/ programme planner/ coordinator in ECCE centres
- ❖ Can run as well as associate with Developmental Assessment Labs.
- ❖ Community social worker in GO's and NGOs to enhance the quality of life.
- ❖ Work with organizations and institutions like UNICEF, NIPCCD, Ministry of Women and Child Development, NCW.
- ❖ Family & marriage counselling.
- ❖ Establish entrepreneur in Early Childhood Care & Management and day care.
- ❖ Social issues or related topic to contribute to knowledge and policy development.

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 home-augmented 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

17 Research Projects are handled by the scientists of College of Community Science funded by different Agencies during the year **2017 – 24**.

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

MoU Signed between CCS, RPCAU, Pusa & other Agencies

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

Machine Developed

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)

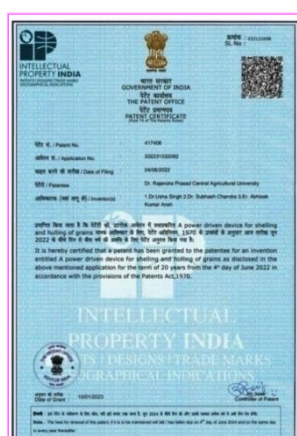
Salient Features :

The machine is electrically operated and it is fitted with 1.0hp 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 works that are usually performed by the traditional Okhali.

Patents



Hand Cranked Improved Chakki



Electric Mortar & Pestle (Okhali)



Energy Dense Nutritive Food

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 nutritious 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