



*Striving for a greener tomorrow*

**Professor Jayashankar Telangana State Agricultural University (PJTSAU)**  
Rajendranagar, Hyderabad-500 030, Telangana State, India.

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ARI farm, Rajendranagar, Hyderabad



**Professor Jayashankar  
Telangana State  
Agricultural University**

**PROFILE**  
2018



Main Campus  
of the University  
is spread over  
2538 acres

Other Campuses  
across Telangana  
are spread over  
1734 acres

- 1 ADMINISTRATIVE OFFICE
- 2 CENTRAL LIBRARY
- 3 COLLEGE OF AGRICULTURE
- 4 CAFETERIA
- 5 UG BOYS HOSTEL
- 6 PG BOYS HOSTEL
- 7 HITECH HORTICULTURE COMPLEX

- 8 UG GIRLS HOSTEL
- 9 MILLET INCUBATION CENTRE
- 10 PGRC (Home Science)
- 11 EXAMINATION CENTRE
- 12 GIRLS HOSTEL
- 13 UNIVERSITY AUDITORIUM
- 14 COLLEGE FARM

**EMPOWERING STUDENTS TO ENHANCE THE PROSPERITY  
OF FARMERS THROUGH QUALITY RESEARCH AND KNOWLEDGE SHARING**





## Who We Are...

Professor Jayashankar Telangana State Agricultural University (PJTSAU) is the only farm university in Telangana State which provides quality education, location specific research and farmer outreach programs to address the needs of the industrious farming community of the state.

The University came into being on 3rd September, 2014 with Rajendranagar, Hyderabad as its headquarters. The University was christened in honour of the fervent Telangana ideologue and an eminent educationist, Professor Jayashankar.

### OUR VISION

PJTSAU envisions itself as a Centre of Excellence, a one stop destination for agricultural innovation encompassing education, research and extension through all its faculties, to empower farmers and rural communities ensuring evergreen prosperity. It aims to create, foster and present to the world a crop of altruistic agriculture leaders and entrepreneurs who will strive to work for an ecologically and nutritionally balanced future for the state, country and the world at large.

### OUR MISSION

To serve the cause of Agricultural Sciences by producing globally competitive quality human capital, generating cutting edge technologies to address contemporary challenges of agricultural sector and evolving responsive, effective, dynamic outreach mechanisms.

### OUR MANDATE

- Train human resources needed for Agriculture, Agricultural Engineering & Technology, Home Science and allied sectors.
- Conduct basic and applied research to develop improved varieties and technologies for sustainable agricultural development.
- Promote on-farm research and technology assessment, refinement and transfer of knowledge through participatory approaches.
- Build partnerships and linkages with national/international educational/research/developmental institutions, rural development sector and agro industries.



Dr. V. Praveen Rao  
Vice Chancellor

Be a Green Tiller !

## Welcome to PJTSAU

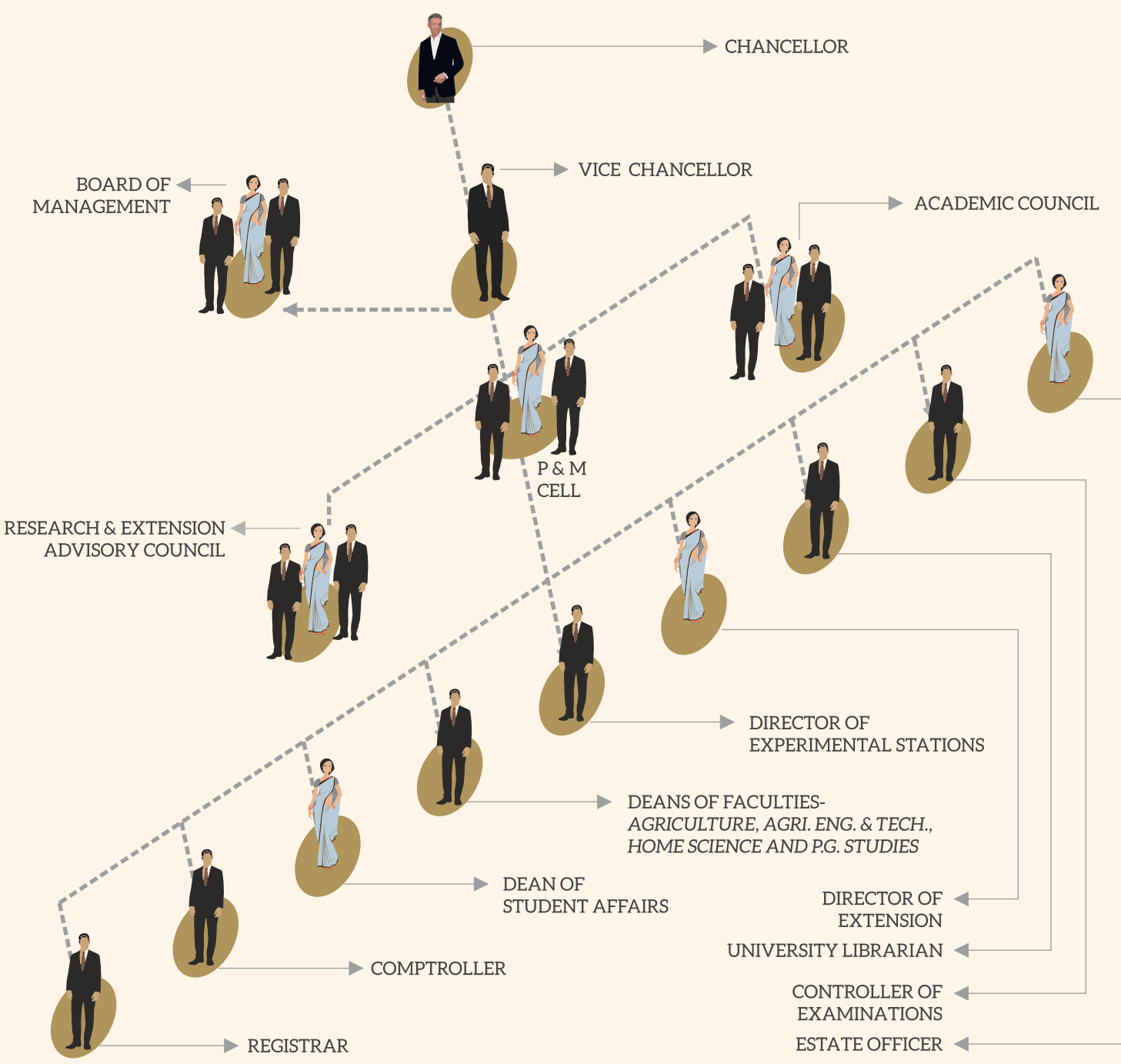
Agriculture is the mainstay of Indian culture and economy since time immemorial. As the world transformed to a global village, our farmers too transformed from family food providers to agri-innovators and shrewd agripreneurs competing with the rest of the world, proving their resilience and quick sense of adaptability. PJTSAU is an embodiment of this very spirit, constantly striving to provide transformative education, remunerative and sustainable research solutions to the contemporary challenges of the state's farmers through committed one-to-one digital and personal connect.

We encourage out of the box thinking, while reinforcing traditional wisdom. We support interdisciplinary research to resolve complex problems with multiple dimensions. We train new generation entrepreneurs and leaders. If you have a passion for greening the earth, putting healthy food on the table and if your heart beats for the selfless farmer, PJTSAU is your destination.

Join us in bringing glory to the farmers and their way of life!



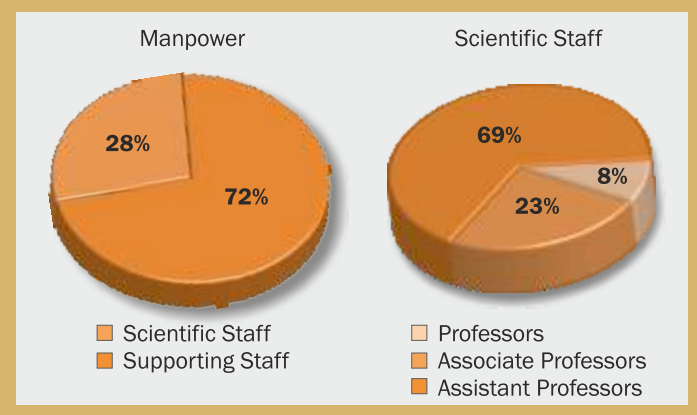
# Governing Structure



# Our Strength

Well qualified scientific fraternity with real time ground experience coupled with global exposure assure the delivery of quality out comes, be it self reliant agripreneurs or path breaking research technologies or demand driven extension services.

Committed and efficient administrative, para/technical and field work force who support the academic and scientific engine of the university.



# ACADEMIC BODIES



Academic Council



Board of Management



Research & Extension Advisory Council



## Nurturing innovative thinkers... for a future full of possibilities

Our colleges spread across the state offer various Under Graduate and Post Graduate degree programs to enthusiastic students who are keen to learn about the challenges facing the farming and rural sector. Along with the academic rigor, we also offer students hands on experience and opportunities to serve the rural community with passion.



College of Agriculture, Rajendra Nagar



College of Home Science, Saifabad



College of Food Science & Technology, Rudrur

- College of Agriculture, Rajendranagar, Hyderabad-500 030  
Year of Establishment: 1964
- Agricultural College, Aswaraopet, Bhadradi Kothagudem District-507 301  
Year of Establishment: 1989
- Agricultural College, Jagtial Jagtial District-505 529  
Year of Establishment: 2008
- Agricultural College, Palem, Nagar Kurnool District-509 215  
Year of Establishment: 2015
- Agricultural College, Warangal, Warangal Urban District-506 006  
Year of Establishment: 2016
- College of Agricultural Engineering, Kandi, Sangareddy District-502 001  
Year of Establishment: 2011
- College of Food Science & Technology, Rudrur, Nizamabad District-503 188  
Year of Establishment: 2015
- College of Home Science, Saifabad, Hyderabad-500 004  
Year of Establishment: 1964

## Courses Offered

### BACHELORS PROGRAMME

- B.Sc. (Hons.) Agriculture
- B.Tech. (Agricultural Engineering)
- B.Tech. (Food Science & Technology)
- B.Sc. (Hons.) Community Science

### MASTERS PROGRAMME

- Agriculture**  
Agronomy, Agricultural Economics, Entomology, Agricultural Extension, Genetics & Plant Breeding, Plant Pathology, Crop Physiology, Soil Science & Agricultural Chemistry, Seed Science & Technology, Agril. Microbiology, Agronomy (Water Management), Molecular Biology & Biotechnology and MBA (Agri. Business Management)

### Home Science

- Foods & Nutrition, Human Development & Family Studies, Family Resource Management, Home Science Extension & Communication Management and Textile & Apparel Designing

### Agricultural Engineering & Technology

- Soil & Water Engineering
- Process & Food Engineering\*
- Farm Machinery & Power\*

### DOCTORAL PROGRAMME

- Agriculture**  
Agronomy  
Entomology  
Genetics and Plant Breeding  
Crop Physiology  
Molecular Biology and Biotechnology  
Seed Science & Technology
- Agricultural Economics  
Agricultural Extension  
Plant Pathology  
Soil Science & Agril. Chem.

### Home Science

- Foods & Nutrition  
Human Development & Family Studies  
Family Resource Management  
Home Science Extension & Communication Management  
Textile & Apparel Designing

### Agricultural Engineering & Technology

- Soil & Water Engineering\*
- Farm Machinery and Power\*

\* Offered at ANGRAU

**DURATION:** Bachelors Programme 4 years (8 semesters)  
Masters Programme 2 years (4 semesters)  
Doctoral Programme 3 years (6 semesters)

<b>500 +</b> Learned faculty with passion and commitment for teaching	<b>450 +</b> 90% of them are doctorates with an inspiring profile
<b>600 +</b> UG turnover per year	<b>175 +</b> PG turnover per year





## Building adaptive work engines ... Field level para technical resources

Polytechnics function on the premise of “back to village” concept focusing on providing robust skilled work force to the rural society and also enabling them to be self reliant agripreneurs. The diploma courses are taught to impart practical grass root level training in the areas of Agriculture, Agricultural Engineering and Seed Technology.

**350 +**  
Students  
turnover  
per year



- **Agricultural Polytechnic,**  
RARS, Palem, Nagar Kurnool Dist.
- **Agricultural Polytechnic,**  
RARS, Jagtial, Jagtial Dist.
- **Agricultural Polytechnic,**  
ARS, Kampasagar, Nalgonda Dist.
- **Agricultural Polytechnic,**  
ARS, Basanthpur, Mamidigi, Nyalkal(M), Sangareddy Dist.
- **Agricultural Polytechnic,**  
RARS, Warangal, Warangal Urban Dist.
- **Agricultural Polytechnic,**  
ARS, Madhira, Khammam Dist.
- **Agricultural Polytechnic,**  
ARS, Sangupet (V), Jogipet (M), Medak Dist.
- **Agricultural Polytechnic,**  
Jammikunta (M), Karimnagar Dist.
- **Agricultural Polytechnic,**  
Malthummeda (V), Nagireddipet (M), Kamareddy Dist.
- **Agricultural Polytechnic,**  
Tornala (V), Siddipet Dist.
- **Agricultural Polytechnic,**  
Sardapur (V), Sircilla (M), Rajanna Sircilla Dist.
- **Seed Technology Polytechnic,**  
RS & RRS, Rudrur, Nizamabad Dist.

*Duration of the Course : 2 Years*  
*Medium of instruction : Telugu*

- **Institute of Agricultural Engineering & Technology,**  
College of Agriculture,  
Rajendranagar, Hyderabad

*Duration of the Course : 3 Years*  
*Medium of instruction : English*







Central Library



Computer Centre



Central Instrumentation Cell

## Our Academic Campuses ... a thriving network of learning & creativity

Spanning several cities and towns in Telangana, our campuses at each location have a wide range of academic facilities and modern spaces to suit every study need as well as conveniences and services to transform the campus into a lively invigorating environment. We prepare students for the real world by providing them with the latest in research and evidence based teaching methods in the state of the art facilities to hone their skills in an applied setting.

Virtual Class Room



College Farm



# Do it to learn it ... Student **READY**

We believe in imparting theoretical learning in class rooms coupled with hands on training in the field / lab to mould the students into confident and responsible professionals.

Students are encouraged through:

### Rural Agricultural Work Experience Program

#### Rural Home Science Work Experience Program

To engage with the rural community  
To get a feel of ground realities on farm and in rural households

#### Inplant Training/ Internship

To train and tune with agro industry

#### Agricultural Experiential Learning Program

To shape up into service focused entrepreneurs



## AGRICULTURE



## AGRICULTURAL ENGINEERING

## COMMUNITY SCIENCE



## Looking Forward to... Home away from home!

On campus facilities offer a dynamic and exciting student lifestyle with comfortable hostels, extensive sporting amenities and handy supplementary services. The lush green lawns and vibrant biodiversity on campus is a treat for nature lovers. The campus has indoor, outdoor games, gym & fitness centres, sports and recreation for the students to foster all round development.



### Amenities at the campus

- Girls & Boys Hostel
- International Hostel
- Health Centre
- Counselling and Placement Cell
- Auditoriums and Seminar Halls
- Sports Complex with Indoor Stadium and Gymnasium
- 24/7 WiFi Connectivity
- Banking Facility





# Civic Engagement... Boundless learning

We promote a culture of community engagement for those with the spirit of adventure and ideals of selfless service through a range of activities such as NCC, NSS, multi- themed clubs, games, sports, cultural and literary meets.



Agri Education Day - Creating awareness in children



Chenu Kaburlu - Student Radio Program



Haritha Haram - Greening the campus



NCC - Equestrian event



Blood Donation - Helping the community



## Research Stations

- **Regional Agricultural Research Station**  
Palem, Nagarkurnool District
- **Agricultural Research Institute**  
PJTSAUMain Campus, R. Nagar, Hyderabad
- **Agricultural Research Station**  
Kampasagar, Nalgonda District
- **Agricultural Research Station**  
Tandur, Vikarabad District
- **Regional Agricultural Research Station**  
Jagtial, Jagtial District
- **Agricultural Research Station**  
Adilabad, Adilabad District
- **Agricultural Research Station**  
Karimnagar, Karimnagar District
- **Agricultural Research Station**  
Mudhole, Nirmal District
- **Agricultural Research Station**  
Kunaram, Peddapalli District
- **Regional Sugarcane & Rice Research Station**  
Rudrur, Nizamabad District
- **Regional Agricultural Research Station**  
Warangal, Warangal Urban District
- **Agricultural Research Station**  
Madhira, Khammam District
- **Agricultural Research Station**  
Basantpur, Sangareddy District
- **Agricultural Research Station**  
Tornala, Siddipet District
- **Agricultural Research Station**  
Nathnaipally, Rajanna Sircilla District

## Probing Minds ... Seeking Sustainable Solutions

The research in the university primarily focuses on problem solving in a multi disciplinary approach to deliver cost effective, remunerative and location specific technologies catering to the operational needs of farm holdings of all sizes. Our research development goals in the core areas of Agriculture, Agricultural Engineering & Technology and Community/ Home Science ensure sustainable use of natural resources while enhancing livelihood security and wholistic empowerment of rural community.



### Research Projects/Schemes

All India Co-ordinated Research Projects	27
All India Network Projects	2
Government of India Schemes	3
State Sponsored Schemes	9





Regional Agricultural Research Station, Jagtial, Established in 1983

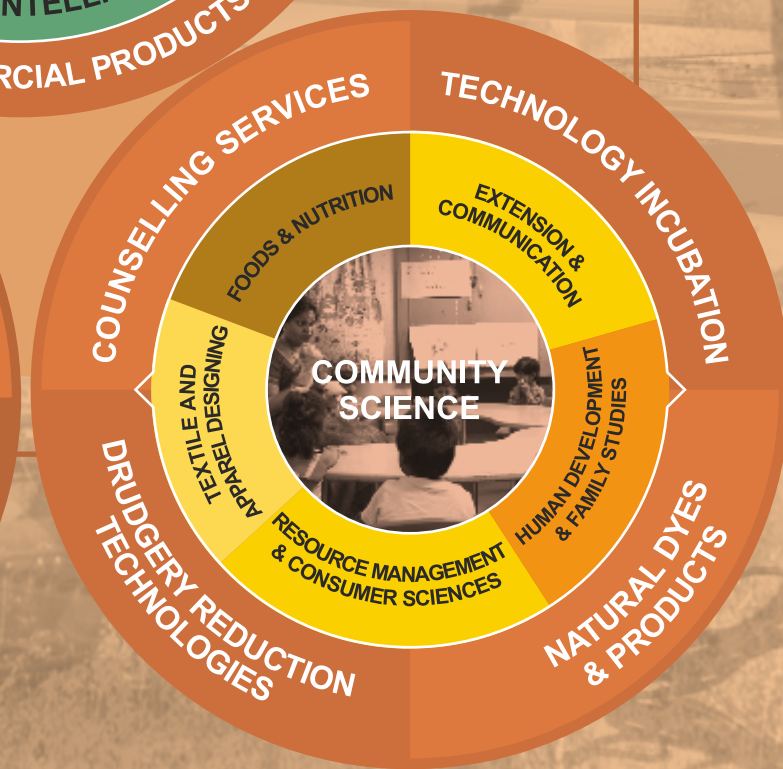
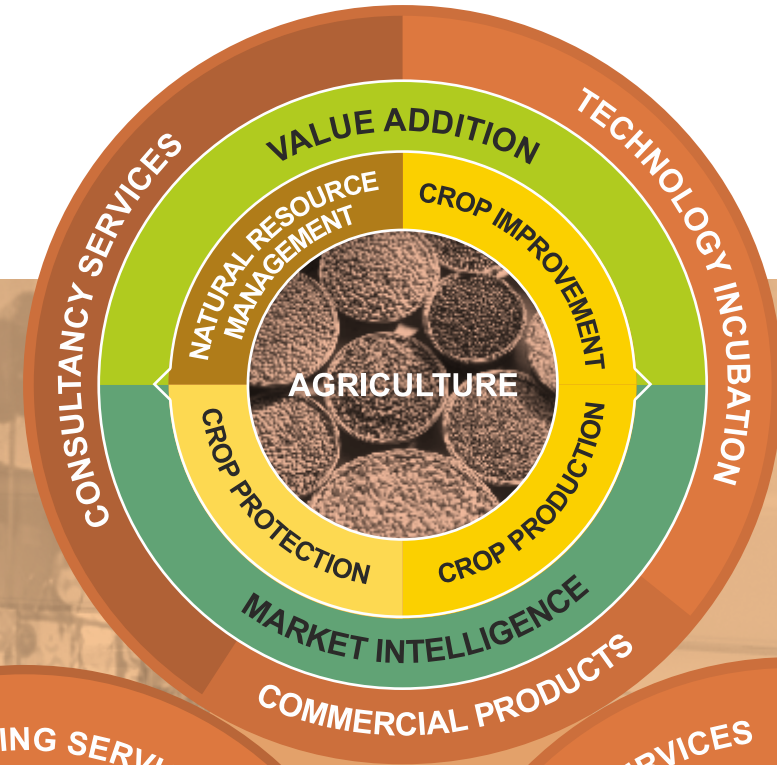


Regional Agricultural Research Station, Palem, Established in 1970



Regional Agricultural Research Station, Warangal, Established in 2007

### CORE AREAS OF RESEARCH



OUR RESEARCH INVESTS IN THE SMALLEST OF IDEAS

for impactful solutions



Passion to ...

## Enquire-Develop-Persist-Deliver

The changing farming scenario warrants paradigm shift in our research outlook and we have risen to the challenge by building globally competent advanced research teams to meet the demand for path breaking technologies.

### NABL ACCREDITED LABS



T-3052

**Pesticide Residue Laboratory**  
(AINP on Pesticide Residues)  
Tests and monitors pesticide residues in various food commodities for promoting safe use of pesticides



TC-6135

### MFPI Quality Control Laboratory

Undertakes analysis of food, water and beverages for different quality parameters



**Seed Research and Technology Centre**  
Nodal centre for breeder seed production of crops for perpetuation in seed chain and research on seed health.



**Biological Control Lab**  
Nodal agency for all state bio-control laboratories to provide inoculum cultures of bio-agents and quality assurance of bio pesticides.



**Water Technology Centre**  
Nodal agency for programme planning, policy making and water related issues







### Institute of Bio Technology

An institute for human resource development and capacity building in the frontier areas of molecular biology and biotechnology and improvement of agricultural crops through molecular breeding, transgenic and genomic approaches.

**Agro Climate Research Centre**  
Formulates and implements climate mitigation strategies to minimize the impact of climate change



**Millet Processing and Incubation Centre**  
Pioneers in research, commercialization and entrepreneurship development of millet value added products.

**Natural Dyes Processing and Incubation Centre**  
A centre for large scale production of natural dyes.



**Vertebrate Pest Management Centre**  
Premier Centre for developing eco friendly and cost effective technology for wild animal and bird management



PJTSAU strongly advocates participatory extension approach where farmer learning and feedback are the corner stones for effective technology transfer and refinement.

We provide research based information, education programmes and technology transfer focused on issues and needs of the farmers, enabling them to make informed decisions about their economic, social and cultural well being.



Technology generator to adopter...  
**Bridging the gap**

**District Agricultural Advisory & Transfer of Technology Centres (DAATTCs)**

- Karimnagar
- Adilabad
- Nizamabad
- Warangal Urban
- Khammam
- Sangareddy
- Mahabubnagar
- Nalgonda
- Ranga Reddy

**Krishi Vigyan Kendras (KVKs)**

- Malyal (Mahabubabad District)
- Rudrur (Nizamabad District)
- Wyra (Khammam District)
- Adilabad (Adilabad District)
- Kampasagar (Nalgonda District)
- Palem (Nagarkurnool District)
- Garimellapadu (Bhadradi Kothagudem District)
- Budakalan, Bellampally (Mancherial District)

**Other Centres**

- Extension Education Institute
- Agricultural Information & Communication Centre and PJTSAU Press
- Agricultural Technology Information Centre
- Electronic Media Wing
- Farmers Call Centre





**KVKs and DAATTCs reach out the farmers through....**

- 1) On farm trials for technology assessment and refinement
- 2) Front line Demonstrations for popularizing cost effective technologies
- 3) Vocational/Skill trainings for empowering the rural women and youth
- 4) Exposure and Field visits for knowledge sharing among farmers
- 5) Diagnostic field visits that offer timely solutions to on farm problems
- 6) Field days to showcase technology adoption and success
- 7) Kisan Melas/Agri-exhibitions/Rythu sadassus which serve as One stop platform for technology transfer.



KVKs specially focus on delivery of quality seed through On farm seed production, adopt villages to develop them as role models to emulate, and through “Technology Week”, spread the farm implementable technologies developed in that year.



For technology and research to be successful, **it is imperative that it should serve a useful purpose to the end user**

To strengthen the untiring efforts of field level extension functionaries and to cater to the ever growing needs of the farming community, we aim towards affordable, time saving print and electronic media enabled digital services to reach the unreached.

Radio & Television  
 Youtube Channel  
 Smart Information Kiosks  
 Mobile Messages  
 Farmers Call Centre  
 Print & e Publications

I  
C  
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S

## Collaborative Partnerships

### International Collaborations

- International Rice Research Institute, Philippines
- University of California, Davis, USA
- Delaware State University, Dover, USA
- International Crops Research Institute for the Semi Arid Tropics (ICRISAT), Hyderabad
- Tripartite Agreement with Auburn University, USA and Prathista Industries Private Limited, Hyderabad
- Tripartite Agreement with Western Sydney University, Australia and River Bridge Ventures, Mumbai
- Tennessee State University, Nashville, USA

### National Collaborations

- Indian Council of Agricultural Research, New Delhi
- Indian Institute of Technology, Mumbai
- Agricultural Skill Council of India, New Delhi
- Better Cotton Initiative, New Delhi
- University of Agricultural Sciences, Raichur
- Sri Konda Laxman Telangana State Horticultural University, Hyderabad
- Indian Institute of Technology, Hyderabad
- ASSOCOM Institute of Bakery Technology & Management, New Delhi
- Interface Agricultural Technologies Pvt. Ltd., Hyderabad
- Pioneer Hi-Bred Private Limited, Hyderabad
- Environment Protection Training and Research Institute, Hyderabad

### Recognitions, Accreditation and Memberships





# Moving Towards.....



Concentration of Talent

Internationalization of Students & Faculty

GRADUATES

RESEARCH OUTPUT

Public budget, Contract Research Returns from Endowments, Gifts, Seeds Production & Tuition Fee

TECHNOLOGY TRANSFER

Strategic Vision Regulatory Framework, Autonomy & Academic Freedom, Culture of excellence

Favourable Governance

Abundant Resources

VISION 2030





*The ultimate goal of farming is not growing of crops but the cultivation and perfection of human beings.  
- Masunoba Fukuoka*