

**OFFICE OF THE DEAN  
COLLEGE OF AGRICULTURAL ENGINEERING  
JAWAHARLA NEHRU KRISHI VISHWA VIDYALAYA,  
JABALPUR (M.P.)-482004**

No./IPRO/Dean/CAE/2020/ 04

Date: 23 June, 2020

**CONTACTUAL SERVICES REQUIRED**

Online applications are invited for engagement of Seven (07) Research Associates, Five (05) Senior Research Fellows and Six (06) Young Professionals upto **4<sup>th</sup> July 2020** under the ICAR-CAAST-NAHEP Project entitled as “**Skill Development to Use Spatial Data for Natural Resources Management in Agriculture**” purely on contractual basis. Please refer **J.N.K.V.V.** website [www.jnkvv.org](http://www.jnkvv.org) for more details and application form.

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**Applications from eligible candidates are invited for the following positions**

Name of the Project	: ICAR-CAAST-NAHEP Project entitled as “ <b>Skill Development to Use Spatial Data for Natural Resources Management in Agriculture</b> ”	
Positions	<b>Name of the Positions</b>	<b>Number of Positions</b>
	<b>Research Associate (RA)</b>	<b>07 (Seven)</b>
	<b>Senior Research Fellow (SRF)</b>	<b>05 (Five)</b>
	<b>Young Professional-II (YP-II)</b>	<b>03 (Three)</b>
	<b>Young Professional-II (YP-I)</b>	<b>03 (Three)</b>
Period of engagement	: Engagement for one year may be extended for project period	
Interview	: It will be online and link will be shared to selected eligible candidates only.	
Contact	Dean, College of Agricultural Engineering, JNKVV, Jabalpur 482004 Email : <a href="mailto:picaast.sdu@gmail.com">picaast.sdu@gmail.com</a>	

### Essential and desirable qualifications required

<b>Positions</b>	<b>Nos.</b>	<b>Essential Qualification</b>	<b>Desirable Qualification</b>
Research Associate (RA) (Natural Resource Management in Agriculture)	02	Ph.D. in Agricultural Engineering (Soil & Water Engineering / Irrigation & Drainage Engineering / Soil & Water Conservation Engineering / Land & Water Resource Engineering) / Water Resources Development & Management / Hydrology Or M.Tech. in Agricultural Engineering (Soil & Water Engineering / Irrigation & Drainage Engineering / Soil & Water Conservation Engineering / Land & Water Resource Engineering) / Water Resources Development & Management/Hydrology with 1 <sup>st</sup> division or 60% marks or equivalent overall grade point average and at least two years of experience in relevant field as evident from Fellowship / Associateship / Training Associateship / other engagements in Reputed educational / Research institute / University / PSU	(i) Published research paper in the relevant field. (ii) National Eligibility Test. (iii) Experience in Remote Sensing and Geographical Information System (RS and GIS) applications as evidenced from research work pertaining to application of geospatial tools, models and decision support systems in Natural Resources Management, Skill in programming with Visual Basic.net/VBA etc. languages, expertise in use of Geoinformatics and Decision Support tools.
Research Associate (RA) (Big data and apps)	01	Ph.D. in Computer Science/Information Technology Or M.E./M.Tech./MCA/ MS in Computer Science /Information Technology with 1 <sup>st</sup> division or 60% marks or equivalent overall grade point average and at least two years of experience in web designing and App development at Reputed Educational/ Research institute/University/Private Institutions	(i) Published research paper in the relevant field. (ii) National Eligibility Test (iii) Experience in Web-Site management, Portal Development and management; Java / C++ / PHP/PERL/Python etc. based application development
Research Associate (RA) (drones and sensors)	01	Ph.D. in Electronics / Electrical/Industrial Electronics / Artificial Intelligence Or M.E./M.Tech / MS in Electronics / Electrical / Industrial Electronics / Artificial Intelligence with 1 <sup>st</sup> division or 60% marks or equivalent overall grade point average and at least two years of experience in Sensor development and Robotics & Drone based technology at Reputed Educational/ Research institute/University/Private	(i) Published research paper in the relevant field. (ii) National Eligibility Test. (iii) Experience in application of Robotics, Drones, Artificial Intelligence, Sensor Technology and Digital Technology in Agriculture and allied fields

		Institutions	
Research Associate (RA) (RS and GIS)	02	Ph.D. in Remote Sensing and GIS/Geo Informatics/ Geo Science with specialization in Water Resources/ Climate Change Or Master degree in Remote sensing & GIS/ Geo Informatics/ Geo Science with specialization in Water Resources/ Climate Change with 1 <sup>st</sup> division or 60% marks or equivalent overall grade point average and at least two years of experience of Microwave and hyper spectral data processing, GIS, Web Map server, Satellite Image analysis and programming as evidenced from Fellowship/ Associateship / Training Associateship / other engagements in Reputed educational/Research institute/University/ PSU	(i) Published research paper in the relevant field. (ii) National Eligibility Test (iii) Experience in Java / C++/ PHP / PERL / Python etc. based application development (iv) Experience / Knowledge in programming in R / IDL/ Mat Lab / Python
Research Associate (RA) (RS & GIS based agricultural applications)	01	Ph.D. Agricultural Engineering in Farm Machinery & Power/ Post Harvest & Process Engineering/ Ph.D. Agriculture in Soil Science/ Plant Physiology/Agronomy / Entomology / Plant Breeding / Plant Pathology / Forestry / Agricultural Economics / Agricultural Statistics / Horticulture / Agro meteorology with Thesis based on application of Remote Sensing and GIS Or ME/M.Tech Agricultural Engineering in Farm Machinery & Power/ Post Harvest & Process Engineering/ M.Sc Agriculture in Soil Science/ Plant Physiology/Agronomy / Entomology / Plant Breeding / Plant Pathology / Forestry / Agricultural Economics / Agricultural Statistics / Horticulture / Agro meteorology with Thesis / Research project work based on application of Remote Sensing and GIS with 1 <sup>st</sup> division or 60% marks or equivalent overall grade point average and at least two years' research experience in relevant field with remote sensing and GIS applications from reputed Educational / Research institute/University /Private Institutions	(i) Published research paper in the relevant field. (ii) National Eligibility Test. (iii) Experience in RS and GIS applications as evidenced from research work pertaining to application of geospatial tools, models and decision support systems in different kind of Crop and Forest.

Senior Research Fellow (SRF) (Agricultural Engineering)	02	M.E. or M. Tech. in Agricultural Engineering (Soil & Water Engineering / Farm Machinery & Power Engineering / Post Harvest & Process Engineering / Land & Water Resource Engineering) / Remote Sensing and GIS in water resources engineering with Thesis / Research project work based on application of Remote Sensing and GIS	(i) Published research paper in the relevant field. (ii) Experience in computer programming, working experience on Satellite image acquisition and processing using different sensors (thermal, multi spectral and hyper-spectral, etc.) using R / IDL / Mat Lab / Python for Natural resources management.
Senior Research Fellow (SRF) (Crop Production)	01	M. Sc. Agriculture in Agronomy / Soil Science / Horticulture / Forestry / Plant Physiology / Plant Breeding / Agro meteorology with Thesis / Research project work based on application of Remote Sensing and GIS	(i) Published research paper in the relevant field. (ii) Experience in computer programming, working experience on Satellite image acquisition and processing using different sensors (thermal, multi spectral and hyper-spectral, etc.) using R / IDL / Mat Lab / Python
Senior Research Fellow (SRF) (Plant Protection)	01	M. Sc. Agriculture in Entomology / Plant Pathology with Thesis / Research project work based on application of Remote Sensing and GIS	(i) Published research paper in the relevant field. (ii) Experience in computer programming, working experience on Satellite image acquisition and processing using different sensors (thermal, multi spectral and hyper-spectral, etc.) using R / IDL / Mat Lab / Python
Senior Research Fellow (SRF) (Social Science)	01	M. Sc. Agriculture in Economics / Extension / Agricultural Statistics with Thesis / Research project work based on application of Remote Sensing and GIS	(i) Published research paper in the relevant field. (ii) Experience in computer programming, working experience on Satellite image acquisition and processing using different sensors (thermal, multi spectral and hyper-spectral, etc.) using R /

			IDL / Mat Lab / Python
Young Professional (YP)-II (Computers)	03	B. Tech / B.E. in Computer Science / Information technology / Electronics / with working in Website Networking and Data base Management	Experience in Java / C++ / PHP / PERL / Python etc. based application Development.
Young Professional (YP)-I (Office Assistant)	02	B.Com. degree from recognized university Certificate / Diploma in Modern Office Management	Knowledge / Experience in use of computers for information Management especially net based applications. Knowledge of data entry in Hindi and English on different software including MS office. Computer Proficiency Certification Test (CPCT) Certificate
Young Professional (YP)-I (Accounts)	01	B.Com. degree from recognized university Proficiency in Talley from recognized institute.	Experience of maintaining office communication, in an academic / research institution Proven experience of handling computers and Office software. Proven ability of handling accounting software (PFMS). Proficiency in Cash Book handling & Tax Servicing

**Upper age limit Age as on 04-07-2020**

<b>Name of Post</b>	<b>Age limit</b>
Research Associate (RA)	40 Years.
Senior Research Fellow (SRF)	35 Years.
Young Professional- II (YP-II)	45 years
Young Professional- I (YP-I)	45 years

**Note:** Age relaxation of 5 years for SC / ST / women candidates and 3 years for OBC candidates will be given.

### **Emoluments (Rs/month) as per ICAR norms**

<b>Name of Post</b>	<b>Emoluments in Rs/month</b>
Research Associate with Ph.D.	54000/- Plus HRA
Research Associate with Masters	49000/- Plus HRA
Senior Research Fellow	31000/- Plus HRA
Young Professional- II	25000/-
Young Professional- I	20000/-

Interested candidates with prescribed qualification may submit their complete application along with full bio-data with self attested copies of testimonials / certificates up to 4<sup>th</sup> July 2020. An amount of Rs 100/-(non refundable) may be deposited to the account of the Dean, Agricultural Engineering College, J.N.K.V.V., Jabalpur- 482004 through RTGS/NEFT and Bank receipt may be attached in the on line application.

Name of Account : Dean College of Agricultural Engineering, JNKVV, Jabalpur  
Name of Bank & Branch : UCO BANK Branch JNKVV, Jabalpur  
Account No : 20030200010025  
IFSC Code : UCBA0002003

### **Terms and Conditions**

1. The candidates are required to submit duly signed application as per the format annexed (Annexure -I)
2. Candidates fulfilling the essential qualification and desirable working knowledge and experience shall be shortlisted for the selection. Shortlisted candidates shall have to attend the walk-in Interview on line for final selection.
3. The candidate must produce one set of their complete bio data with self-attested copies of the testimonials and age proof with a passport size photograph along with all original certificates of all required certificates from matriculation onwards and experience certificate in original (if any) with them along with No Objection certificate from the current employer ( if any) before joining.
4. The selected candidates will be required to undergo medical examination as per the rules for ensuring their physical fitness before appointment.
5. Concealing of facts or canvassing in any form shall lead to disqualification of the candidature or termination even after appointment.
6. The engagements may be terminated at any time with prior notice of one month notice without assigning any reason on either side thereof. The RA/SRF/YP may also leave the assignment, on their own volition, by giving one month notice.
7. The engagements will be on contractual basis and co-terminus with the project, and the incumbent shall not have any claim for regular appointment under JNKVV. The contract may be terminated at any time if the performance is found to be unsatisfactory.
8. The period of engagements t of RA/SRF/YP will be initially for a period up to FY 2020-21 i.e. March 31, 2021 and is likely to be extended further on yearly basis subject to satisfactory performance of the candidate.
9. The University reserves all the rights to fill up or not to fill up the vacant positions without assigning any reason.
10. Skill tests as per the requirement of posts may be conducted to judge the competence.



## Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur

## APPLICATION FORM

Details of Application Fee: <b>(Account No. is to be mentioned)</b> NEFT/RTGS details----- (attach scanned receipt) Amount Rs 100/- Date-----	Affix self attested Recent Coloured Passport Size Photograph
<b>Name of the position applied</b>	
<b>NRM / Big data applications/ Drones and sensors/ RS and GIS/ Agricultural applications</b>	
<b>Advertisement No.</b>	
<b>1. Name of the candidate (In Block letters)</b>	
Gender      Male                  Female	
<b>2. Father / Husband Name</b>	
<b>3. Category (UR/SC/ST/OBC) (with documentary proof)</b>	
<b>4. Date of birth and age as on 04-07-2020 (with documentary proof)</b>	
<b>5. Permanent Address</b>	
<b>6. Address for correspondence</b>	
<b>7. (a) Contact Number</b>	
(b) Whatsapp No.	
<b>8. Email ID</b>	
Alternate mail ID	

**9. Educational Qualification and experience (with documentary proof)**

<b>Examination / Degree</b>	<b>Name of Degree/ Programme</b>	<b>Name of the Board / University</b>	<b>Year of Passing</b>	<b>Division</b>	<b>Marks In Percent / OGPA</b>	<b>Subject</b>
High School						
Higher Secondary						
Graduation						
Post Graduation						
Ph.D.						
Any Other Degree/Diploma						

**10. Details of experience, if any (with documentary proof)**

**11. Scholarship / Fellowship / Awards (with documentary proof)**

**12. Publication (research publications only) (with documentary proof)**

**13. Present / Previous employment (with documentary proof)**

<b>Name of the Post</b>	<b>Address of employer</b>	<b>Date of Appointment</b>	<b>Duration of Appointment</b>	<b>Pay scale Rs.</b>

**14. Additional remark if any**

(Note: Please add separate sheet if the space is insufficient)

**Declaration**

I hereby declare that all the statements made in this application are true, complete and correct to the best of my knowledge and belief. I understand and agree that in the event of any information being found false or incorrect / incomplete or ineligibility being detected at any time before or after selection / interview, my candidature is liable to be rejected without any notice. I will work sincerely and render the services as per requirement of the Project work assigned to me.

**Date:**

**Place:**

**Name and Signature of Candidate**

Address	Dean, College of Agricultural Engineering, JNKVV, Jabalpur 482004 Email : picaast.sdu@gmail.com
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