



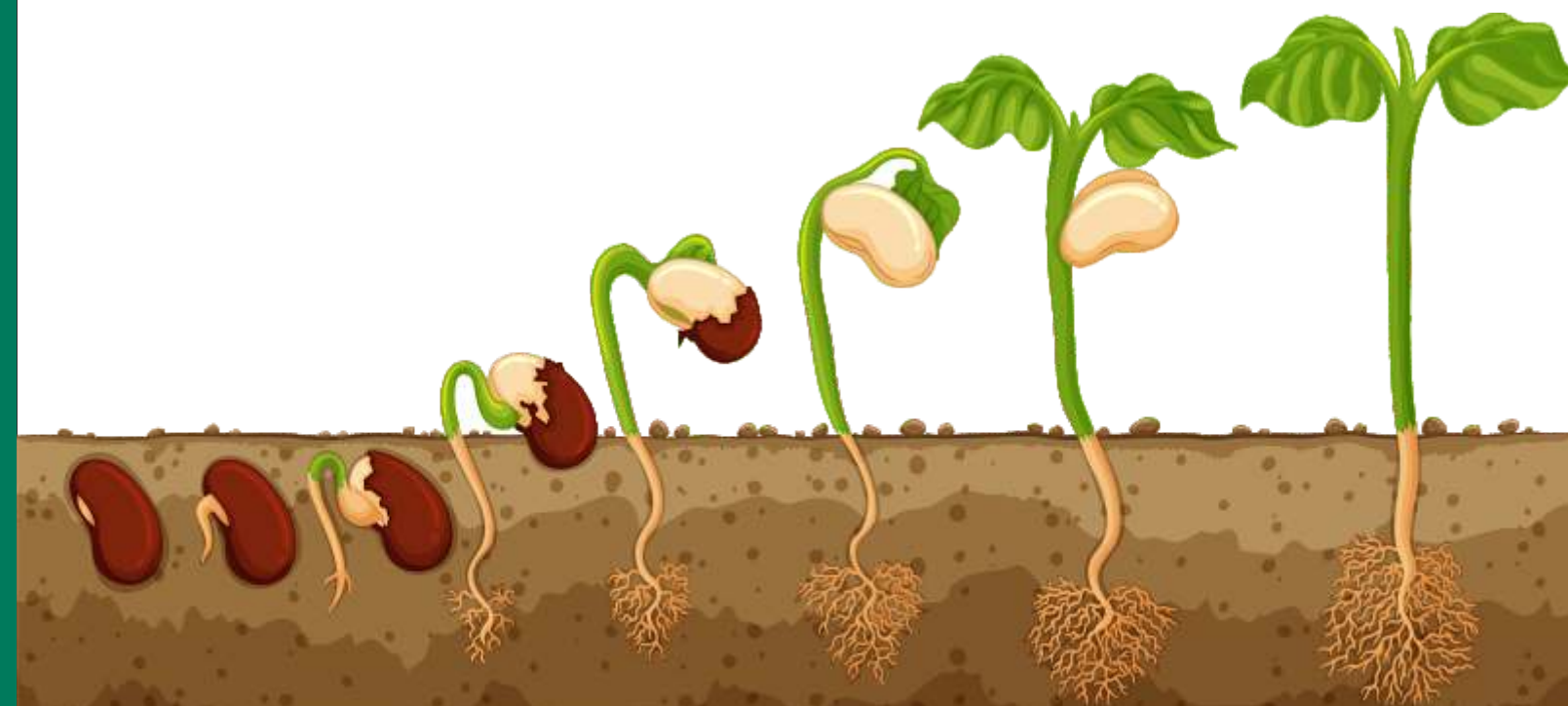
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 ShardaUniversity  sharda\_uni  sharda\_university  school/sharda-university  shardauniversity

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# SHARDA SCHOOL OF AGRICULTURAL SCIENCES

SHARDA  
THE FUTURE OF  
GLOBAL AGRICULTURIST



# SHARDA UNIVERSITY

Experience the joy of being a part of  
India's truly global university



Sharda University has over the years become one of the leading centres of education, research and innovation in Delhi NCR region. Established through an act of the State Legislature of Uttar Pradesh (14 of 2009), Sharda University offers over 130+ UGC recognised programmes in various disciplines. Sharda University has recently been accredited A+ by NAAC which puts it among 5% of select higher education institutions in India.

Being the only global University in India that has seen students from 95+ countries experience world-class facilities, and having 200+ global academic partnerships, Sharda University offers a truly international learning environment & produces achievers across the globe. That's why it says,

**"The World is Here, Where are You?"**

## PRESTIGIOUS RECOGNITIONS & ACCREDITATIONS



Engineering Programmes  
Accredited by **NBA**



**MANAGEMENT BAND  
102-125**



**SHARDA IS  
RANKED 5<sup>TH</sup>  
IN INDIA**

in the number of patents granted  
As per India Today issue dated 10th August, 2020



**RANKING 2022**

**RATED AMONG 101-150 RANK  
BAND IN UNIVERSITY CATEGORY**



**RANKING 2022**

**ENGINEERING RANK  
164**

Awarded



SHARDA UNIVERSITY  
QS I-GAUGE 2020

Rated by



Rated in the **GOLD BAND** with A Grade  
(Higher Educational Institution of Excellence)

**R**  
World Institutional  
**RANKING**



ACCREDITATION SERVICE  
for  
INTERNATIONAL SCHOOLS,  
COLLEGES & UNIVERSITIES

Continuing its legacy as a world-class institution,  
Sharda University has earned Membership status with ASIC, UK  
for its commendable areas of operation.



**PROUD TO BE PLACED IN  
EXCELLENT BAND**



ARIA RANKING 2021



**SHARDA-IIC**  
is listed among top 10 Universities  
FOR THE NORTH REGION (NRO)  
WITH 4-STAR RATING FOR THE YEAR 2020-21







# SHARDA SCHOOL OF AGRICULTURAL SCIENCES

Established with an aim of developing top agriculture professionals, Sharda School of Agricultural Sciences has evolved into one of the leading Agriculture Schools in Delhi NCR. The School aspires to set the best agricultural practices for the farming community and promote science-led, eco-friendly, sustainable agricultural growth through education and participatory research.

## KEY FACTS & FIGURES

- » One of the leading Agricultural Schools in Delhi- NCR
- » Programmes are internationally recognized and duly approved by UGC.
- » Faculty: Students Ratio-1:13 with core faculty and 1:9 with associate faculty.
- » Well equipped laboratories including Food Science and Bakery Technology Labs and research facilities.
- » Well-developed automated Polyhouses, Net-Houses, Mushroom House, Crop Cafeteria, Biofertilizers production, Vermicomposting, Zero-Energy Cool Chamber, micro-irrigation systems.
- » State-of-the-art: Hydroponics and Plant Tissue Culture Facilities.
- » Vast Instructional, Seed Production and Research Farm.
- » Classrooms and Laboratories with Smart Board, LCD, Projectors and AC's.



## PLACEMENT PARTNERS



## FIELDKING

### WORLD-CLASS LABORATORIES

Laboratories have been established for conduct of several practical exercises of Agriculture students, as well as taking up minor research projects.

- » Microbiology and Plant Pathology Lab
- » Entomology and Nematology Lab
- » Plant Physiology and Genetics Plant Breeding Lab
- » Agronomy and Soil Science Lab
- » Extension
- » Horticulture and Food Science Lab
- » Hydroponics Facility and Plant tissue culture





# DEAN'S MESSAGE



“Sharda School of Agricultural Sciences acts as a platform where the intellectual and creative attributes of future scientists are developed and enhanced. The School emphasizes upon the overall development of students so as to enable them to become effective leaders of tomorrow.”

**Prof. (Dr.) Dolly Wattal Dhar**  
Dean, Sharda School of Agricultural Sciences  
M.Sc., Ph.D.

Prof. (Dr.) Dolly Wattal Dhar did her Ph.D. Degree (Plant Physiology) from Post Graduate School, ICAR-Indian Agricultural Research Institute (IARI), New Delhi. She has International Post-Doctoral experience from Cambridge, UK; Belgium; New York and Ohio, USA.

She is a well-established Agricultural Microbiologist with specialization in Algology. She worked at Centre for Conservation and Utilisation of Blue Green Algae, ICAR-Indian Agricultural Research Institute for almost thirty-five years as Scientist, Sr. Scientist and Principal Scientist. She is known for her contributions in research, teaching and extension. She has worked on enrichment of cyanobacterial germplasm, morpho-physiological and biochemical characterization, strain selection and improvement for nitrogen fixing ability, potential of microalgae for value addition (biopolymers, natural colours, proteins, lipids, food and feed), waste water treatment, plant microbe interactions and molecular biodiversity analysis of cyanobacteria (RAPD,RFLP, 16SrRNA gene amplification and AFLP).

She was actively involved with the Extension activities and Institute Village Linked programme for the popularization of algal biofertilizer to the farmers. She has guided students for their M.Sc. and Ph.D. from Post Graduate School, ICAR-IARI and is a recipient of Best Teacher Award.

She has more than 200 publications to her credit including research papers (National as well as International), books, book chapters, manuals, popular articles, catalogues etc. She is a member of reputed professional societies and reviewer of selected International Journals.

# FACULTY THAT'S TRULY INSPIRING

## Core Faculty

**Mr. Alok Gupta, Professor**  
**M.Sc. (Agri.), MBA, PGDRM, PGDAEM,**  
Dr. Gupta is working as Professor with experience in the field of agri-entrepreneurship development, public administration, strategic management, project management, agribusiness management, extension management and training and development.

**Dr. Saleem Siddiqui, Professor**  
**M.Sc., Ph.D.**  
Dr. Siddiqui is Post- Doctorate from Germany. Ex-Dean and Head, CCS Haryana Agricultural University, Hisar. He has experience in the field of post-harvest losses and extension of shelf life of fruits and vegetables; processing and value addition of food; development of instant and convenience foods; packaging, quality evaluation, and safety of food.

**Mr. Kamal Kumar, Adjunct Professor**  
**M.Sc.,**  
Mr. Kamal Kumar is associated as an Adjunct Professor and presently he is working as an Advisor; Dhanuka Agritech Limited, MG Road, Gurgaon.

**Dr. Ramesh Joshi, Professor**  
**M.Sc., Ph.D.**  
Dr. Joshi is working as Professor with the experience in the areas of plant biotechnology, plant tissue culture and molecular analysis of forest and medicinal plants.

**Dr. Pradip Tripura, Assistant Professor**  
**M.Sc, Ph.D.**  
Dr. Pradip has obtained his Ph.D. in Soil Science in Junagadh Agricultural University. He has experience in the field of soil fertility and nutrient management, soil and water conservation, nutrient cycling and carbon sequestration and organic farming and sustainable agriculture.

**Dr. Astha Gupta, Assistant Professor**  
**M.Sc, Ph.D**  
Received Ph.D. in (Biological Science) from Academy of Scientific and Innovative Research–National Botanical Research Institute (AcSIR-NBRI), CSIR Lucknow. She has a Post Doc experience from University of Delhi. She has experience in the field of plant biotechnology, molecular biology, agricultural biotechnology, molecular breeding, crop improvement.

**Dr. Swati Hazra, Assistant Professor**  
**M.Tech, Ph.D.**  
Dr. Hazra has pursued her doctoral research from IIT Kharagpur. After qualifying for GATE 2012, she completed her M.Tech. in Agricultural Systems and Management from IIT Kharagpur and joined the Ph.D. program with an institute fellowship (MHRD, Govt. of India).

**Dr. Chandan Singh, Assistant Professor**  
**M.Sc., NET and Ph.D.**  
Dr. Singh obtained his Ph.D. in Horticulture (Vegetable Science) from Govind Ballabh Pant University of Agriculture and Technology, Pant Nagar, (Uttarakhand). He has experience in the field of crop breeding (vegetables and spices), protected cultivation and hydroponics/aeroponics.



**Dr. Kusumakar Sharma, Professor**  
**M.Sc., Ph.D.**  
Dr. Sharma has experience in the field of animal nutrition, livestock management, feed resource development, higher agricultural education. He worked as Assistant Director General (HRD), ICAR; Senior Scientist, Central Institute for Research on Goats, Makhdoom; Senior Scientist and Principal Scientist, IVRI among others.



**Dr.D.S. Rana, Distinguished Professor**  
**M.Sc., Ph.D.**  
Dr. Rana started his career as Agricultural Development Officer, State Govt. of Haryana, followed by Technical Officer, Indian Council of Agricultural Research, New Delhi, He joined the position of Scientist at ICAR-IARI and rose to the position of Principal Scientist/Professor, Agronomy till his superannuation in January, 2017.



**Dr. Kadambot Siddique, Adjunct Professor**  
**M.Sc., Ph.D.**  
Dr. Siddique is associated as an Adjunct Professor. At present, he is Hackett Professor of Agriculture Chair and Director, the UWA Institute of Agriculture with experience in the field of cereal crop physiology.



**Dr. Sunil Kumar Jaiswal, Assistant Professor**  
**M.Sc, Ph.D.**  
Dr. Jaiswal is working as Assistant Professor with the experience in the field of genetic studies, biotechnology and molecular breeding (QTL mapping and marker assisted selection). He has worked as Sr. Research Fellow at Division of Genetics, ICAR.



**Dr. Chongtham Allaylay Devi, Assistant Professor**  
**M.Sc, Ph.D.**  
Dr. Chongtham has experience in the field of floral biology, crop breeding, tissue culture, microbiology, hi-tech horticulture. She has been awarded the ICAR-JRF for her M.Sc.(Hort.) Fruit Science at UHS, Karnataka in 2014. She was awarded National Fellowship under UGC, ICAR-PGS-SRF.



**Dr. Ashutosh K. Pandey, Assistant Professor**  
**M.Sc, Ph.D.**  
Dr. Pandey has received Ph.D. in Biology from University of Eastern Finland. Dr. Pandey has received three prestigious postdoctoral funding from organizations like UGC, Agricultural Research Organization, Volcani, Israel and Estonian Research Council, Estonia.



**Dr. Palak Mishra, Assistant Professor**  
**M.Sc., Ph.D.**  
Dr. Mishra has experience in the field of climate change communication strategies in agriculture, indigenous technical knowledge and sustainable agriculture. She has conducted activities like Kisan Goshti (farmer talks) and Kisan Mela in the different villages of Rajasthan.



**Dr. Raghvendra Singh, Assistant Professor**  
**M.Sc., Ph.D.**  
Dr. Singh is working as Assistant Professor with experience in the field of agronomy and crop management.



Associated Department Faculty

Mr. Anup Kumar Srivastava, Agricultural Finance  
MBA, PGDCA, B.Sc.

Mr. Srivastava is pursuing Ph.D. in Finance from Lovely Professional University. He did his MBA in Finance from ICFAI Business School Hyderabad in 2009 & worked with Religare and other organizations before switching to the educational services.



Dr. Hari Shankar Shyam, Agricultural Marketing  
Ph.D, MBA

Dr. Hari Shankar Shyam is an eminent educationist, researcher and trainer in the areas of management education. He is doctorate in the field of management and has done his Masters in Management in the area of Marketing.

Dr. Shruti Singh, Environmental Sciences  
Ph.D.

Ph.D. in Glaciology. Working/worked on 3 research projects on Himalayan glaciers as Co-PI. The projects are funded by renowned National/International agencies like SAC, ISRO and MoES, Govt. of India and the United States Agency for International Development (USAID), University of Colorado, U.S.A.



Dr. Suman, Environmental Sciences  
M.Sc, Ph.D.

Ph.D. Indian School of Mines. (IIT-Dhanbad), M.Sc. (BHU, Varanasi). 11 years of experience in Teaching and Industry. Published several research papers in journals of International repute.

Dr. Anshu Kumar, Mathematics  
M.Sc, Ph.D.

M.Sc. in Mathematics from CCS University, Meerut & qualified CSIR-NET and obtained his Ph.D. degree from NIT, Allahabad in 2017.



B. Sc. (Hons.), AGRICULTURE

The course curriculum of B.Sc. (Hons.) Agriculture, is based on nationally adopted Choice Based Course Curricula recommended by the University Grants Commission (UGC), National Education Policy (NEP) and the Fifth Deans Committee of the Indian Council of Agricultural Research (ICAR). These programmes include about 191 credit hours of theory, practical and on-farm projects and exposure over 8 semesters. The students are required to take open electives and Community Connect Courses. The are also free to study about 30 % credit hours from other disciplines of their interest in any other school of the University or from other places including MOOCS, NPTEL etc. any other institutions approved by Sharda University. The curriculum includes knowledge of fundamental and applied aspects of modern scientific instrumentation, machinery and techniques in plant and animal based farming systems, Land Surveying, Soil and Water Resource Management, Livestock and Poultry Management, Basics of Biotechnology, Sociology, Economics, Agri-Business, Extension etc. The students are trained to solve problems of agricultural and open field and protected enclosed horticultural systems, manage processes and products in public and private sectors. They may also go for higher education in India or abroad. The thrust is to evolve bio-safe and eco-friendly high value agricultural production systems, with periurban and commercial orientation.

ELIGIBILITY FOR ADMISSION (FOR NATIONAL STUDENTS)	ELIGIBILITY FOR ADMISSION (FOR INTERNATIONAL STUDENTS)
<ul style="list-style-type: none"><li>Sr. Secondary (10+2) with minimum 55% marks in PCB/PCM/ Agriculture.</li><li>Proficiency in English Communication</li></ul>	The eligibility criterion for all programmes for international applicants is minimum 50% in the qualifying examination and having studied the pre-requisite subjects for admission in the desired programme.

M.Sc. AGRICULTURE

Minimum two years. Specialization in Agronomy and other disciplines depending upon availability of faculty and research interests of the School. The programme includes a total of 90 credits, of which 30 are devoted for research work and thesis. The other credits coursework include fundamental and advanced courses, community connect, MOOCs etc.

ELIGIBILITY FOR ADMISSION
B.Sc. (Ag.)/ B.Sc. (Hons.) Ag. with minimum 55% marks or CGPA 6.5 out of 10 from a duly recognized University. For those with 3 year B.Sc. (Ag.) degree there will be one year of remedial courses of 40 Credit hours. The minimum duration will be two years for those with 4 year while those with 3 year B.Sc. (Ag.) will study one year remedial courses.

Ph.D.

The Ph.D.in Agriculture includes research work and culminates with a dissertation presented to academic committee. The programme curriculum comprises research in agricultural systems and practice ranging from the science of plant and animal production to agricultural policy and decision-making, focusing on alternative crops, regional knowledge, and rural development.

Specialisation:

- Plant Breeding and Genetics
  - Agricultural Entomology
  - Plant Biotechnology
- Horticulture
  - Agricultural Nematology
- Plant Physiology
  - Agronomy
- Agricultural Microbiology
  - Soil Science

ELIGIBILITY FOR ADMISSION
Ph.D. (Agriculture) is a doctorate level full and part time programme. Minimum eligibility criteria to take admission in this programme is based on M.Sc. degree in Agriculture or equivalent from a duly recognized University.

**FACULTY WITH EXPOSURE OF MOST PRESTIGIOUS INSTITUTIONS ACROSS THE GLOBE**



# RESEARCH & DEVELOPMENT CENTRIC ACTIVITIES

A number of activities are being carried in the school. Expert talks by eminent Indian like Prof. H.S. Gupta (Former Director General, BIRSA), Padma Shri V.P. Singh (Famous rice breeder) and Foreign Scientists like Prof. Rudolph M. Beaudry from Michigan State University, USA, Prof. Richard Sikora from INRES, University of Bonn, Germany, Prof. Keith Davies from University of Hertfordshire, UK, to name a few, have been conducted. The students express their ideas in through innovative models, debates and group discussions.



# FUTURE PROSPECTS

- Higher education leading to Masters, Management and Doctorate Programmes in India or abroad.
- Employment as managers/officers/technicians in various Government and Non-Government Institutions including academics, research, fertilizer, pesticides or seed industry, etc.
- Self employment in agri-clinics, consultancy or in banking, forestry and administrative civil services not only in India but abroad also.
- Career paths include State and Central Clvil Services, and pursuing studies abroad.

# EVENTS | FIELD WORK | VISITORS



Dr. Rudolph M. Beaudry, Professor of Horticulture, Michigan State University, USA in campus for interaction with students



Felicitation of the faculty for research activities by Farming for All, Greater Noida



Expert talk by Dr. Naved Sabir, Principal Scientist, IARI, New Delhi




Student-Faculty with Chief Guest, Dr. Naved Sabir

# CROP CAFETERIA DEVELOPED IN SHARDA UNIVERSITY







# ACHIEVEMENTS THAT SET THE TONE




**Mr. Akhil Satheesh**  
 Signum Hospitality Pvt. Ltd.




**Ms. M Oviya**  
 Tara Blooms Private Limited




**Mr. Rohit Sinha Roy**  
 NOVA AGRI SCIENCES PVT. LTD.




**Mr. Akram Ali**  
 NOVA AGRI SCIENCES PVT. LTD.




**Mr. Radheshyam Kumar**  
 NOVA AGRI SCIENCES PVT. LTD.




**Mr. Shadab Ali Haider**  
 SBM VENTURES PRIVATE LIMITED



**Mr. Shubham Kumar**  
 NOVA AGRI SCIENCES PVT. LTD.



**Mr. Mayank Bharti**  
 NOVA AGRI SCIENCES PVT. LTD.




**Md Asif Hussain**  
 SBM VENTURES PRIVATE LIMITED


# HIGHER EDUCATION




**Ms. Megha Mayuri**  
 Pursuing M.Sc. Horticulture from SHUATS, Allahabad




**Mirza Absar Yusuf**  
 Pursuing M.Sc. Agriculture from SHUATS, Allahabad




**Mr. Hardeep Bhardwaj**  
 Pursuing PGDM from New Delhi Institute of Management, New Delhi




**Mr. Raj Kumar Baniya Chhatr**  
 Pursuing MBA from UPES, Dehradun



**Ms. Ritika Sinha**  
 Pursuing MBA from SHUATS, Allahabad

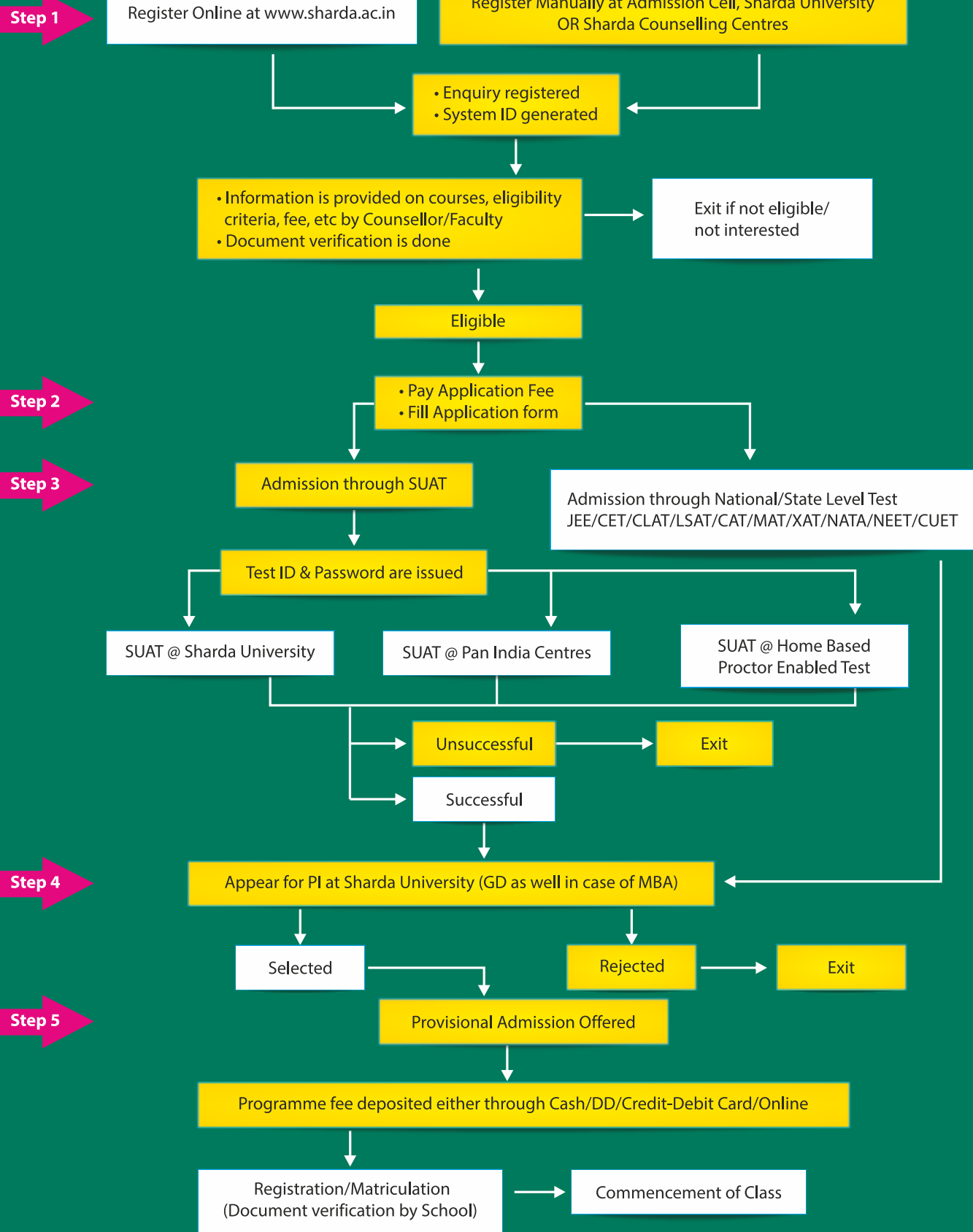


**Mr. Luckyson Thangjam**  
 Pursuing M.Sc. Agriculture from SSAS, Sharda University, Greater Noida



**Mr. Ngangom Lucky Singh**  
 Pursuing M.Sc. Agriculture from SSAS, Sharda University, Greater Noida

# Admission Flow Chart



## NOTES

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## REGIONAL REACH- SHARDA COUNSELLING CENTRE



**DEHRADUN**  
**admission.dehradun@sharda.ac.in**  
+91-9205883454, +91-9205471858

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