



॥ज्ञानं भवति शक्तिः, शक्तिः भवति प्रगतिः॥

“ज्ञान शक्ति बनता है, और शक्ति प्रगति की ओर ले जाती है”

# INTERNATIONAL CONFERENCE

on

Navigation of Statistical Sciences, Artificial Intelligence  
and Machine Learning for Sustainable Ecosystem  
(NAVSTAT-2027)

24 – 26 February, 2027

29<sup>th</sup> Annual Conference of  
The Society of Statistics, Computer and Applications (SSCA)  
(<https://ssca.org.in>)

**ORGANIZED BY:**

Department of Basic Sciences, College of Forestry,  
Dr. Y.S. Parmar University of Horticulture and Forestry,  
Nauni 173 230 Solan, (HP), India



## About the Conference

The 29<sup>th</sup> Annual Conference of the Society of Statistics, Computer and Applications (SSCA) on “Navigation of Statistical Sciences, Artificial Intelligence and Machine Learning for Sustainable Ecosystem” (NAVSTAT-2027), a comprehensive three day event, aims at providing an international forum for statisticians, data scientists, agricultural researchers, financial analysts, and interdisciplinary experts to discuss recent developments in statistical sciences and their integration with Artificial Intelligence and Machine Learning for understanding and managing complex hill ecosystem data. The focus of the conference is on the fusion of statistical inference, Bayesian methods, multivariate analysis, stochastic processes, non-parametric techniques, financial statistics, econometric analysis and time series modelling with intelligent computational approaches for analyzing quantitative and qualitative data arising from agriculture, climate, public health, food, nutrition systems, and socio-economic domains. Special emphasis will be given to digital agriculture, climate-resilient resource management, survey sampling and data quality, statistical genetics and bioinformatics, statistical quality control, sustainable food systems governance, and evaluation of hunger and poverty indices. By integrating classical statistical reasoning with modern AI-driven analytics, the event will foster academic-industry-policy interaction and encourage collaborative research for developing intelligent statistical solutions for sustainable mountain farming systems and agroecological impact assessment of Natural Farming.

**Conference Website:** <https://uhf.ac.in/uhfssca2027>

## About the Host Institute

The Dr. Y.S. Parmar University of Horticulture and Forestry (YSP UHF), Nauni - Solan, Himachal Pradesh, India, established in 1985, is the first Horticulture and Forestry University in Asia engaged in teaching, research and extension education in horticulture, forestry and allied sciences. The university has played a key role in making Himachal 'The Apple State of India' by providing quality planting material and advanced technologies. It has established gene banks for various fruit crops, vegetables, flowers and medicinal plants. UHF is leading the initiative of natural farming (NF) and significantly contributing to enhance agricultural productivity and farmers' income in the state. It is associated in development of NF course curriculum for school children, UG and PG degree programmes. It also collaborates nationally and internationally for capacity building in sustainable and climate resilient agriculture.



## Department of Basic Sciences

The Department of Basic Sciences comprises of five major disciplines: Microbiology, Statistics, Plant Physiology, Biochemistry, and English. YSPUHF is the only university in Himachal Pradesh which is offering post-graduate degree programmes in (Agri) Statistics. Besides, the department is also providing M.Sc. and Ph.D. programmes in (Agri) Microbiology, (Agri) Plant Physiology, and (Agri) Biochemistry, with an aim to promote excellence in basic and applied research. The Department is well equipped with modern infrastructure and over the years, it has implemented several research projects and schemes of contemporary relevance. The Department takes pride in the successful placement of its graduates in reputed national and international research organizations, ICAR research institutes, industries, government organizations, and banking institutions.





## Themes of the conference

The conference on “*Navigation of Statistical Sciences, Artificial Intelligence, and Machine Learning for Sustainable Ecosystem (NAVSTAT – 2027)*” will focus on the following broad themes:

- ✕ Data Science, Artificial Intelligence and Digital Agricultural Intelligence
- ✕ Experimental Designs and Impact Evaluation
- ✕ Financial Statistics and Econometric Analysis
- ✕ Fusion of Statistical Sciences, Bayesian Inference, Artificial Intelligence and Machine Learning
- ✕ Integrating Statistics, Machine Learning and Sustainable Innovation in Hill and Mountain Farming
- ✕ Mixing of Survey Sampling Theory, Data Quality and Data Generated through Social Media
- ✕ Modelling Quantitative/Qualitative data, Data Emerging through Bars, Charts, Tables etc.
- ✕ Multivariate Analysis
- ✕ Navigating Statistical Modelling through AI and ML
- ✕ Natural Farming: Data based agroecological impact assessment
- ✕ Non-parametric Inference and Applications
- ✕ Public Health, Food and Nutrition in Agricultural Research System
- ✕ Reliability Theory
- ✕ Role of Statistics and AI in Streamlining the Evaluation of Global Hunger and Poverty Indices
- ✕ Soft-computing, Statistical Genetics, Genomics and Bio-informatics
- ✕ Statistical Quality Control, Certification and Sustainable Food Systems Governance
- ✕ Statistical System in Sustainable Development Goals
- ✕ Statistics and AI in Climate Resilient Resource Management
- ✕ Statistical Distributions and Statistical Inference
- ✕ Stochastic processes, Time Series Modelling and Optimization

## Call for papers

An open call is made to all concerned to contribute their research for presentation during the conference on any of the broad themes or on any other area of Statistics, Computers and Applications related to major theme of the conference. The abstract of the presentation should be submitted online. Please restrict the Abstract (in MS Word format) to a maximum of 400 words. There will be both oral and poster presentations.

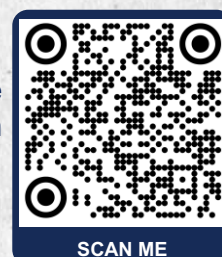
For Abstract submission [Click here.](#)

**The last date for submission of abstract is 15<sup>th</sup> December, 2026.**

## Registration and Fee Details

Delegates desiring to participating and presenting their research in the conference should register and pay the following registration fee. Registration entitles attendance to all scientific sessions, registration kit, abstracts e-booklet, coffee/tea and meals during the conference days.

For Registration [Click here](#) or Scan the QR Code



| Category                           | Registration Fee* |
|------------------------------------|-------------------|
|                                    | INR (₹)           |
| Indian Delegate                    | 6,000/-           |
| Indian Student / Research Scholar  | 3,000/-           |
| Foreign Delegate                   | 14,000/-          |
| Foreign Student / Research Scholar | 7,000/-           |
| Accompanying Person                | 3,000/-           |

\* After December 31, 2026, the delegates may be required to pay an additional 10% fee over and above the registration fee indicated.

\* A certificate from the Head of the Department or Supervisor is required along with the registration fee to claim the student's/research scholar's registration fee.



- \* Accompanying persons will not be provided the conference kit.
- \* Registration fee is non-refundable.
- \* Accommodation for participants will be arranged on payment basis.
- \* Registration is compulsory for all delegates.
- \* Kindly bring the receipt at the time of registration for verification.

## Account Details

**Account Holder Name :** INDIAN ECOLOGICAL SOCIETY  
**Account Type :** Savings Account  
**Account Number :** 3701474055  
**Name of Bank :** State Bank of India  
**Branch Name :** Khaltoo-Nauni, Solan (HP)  
**IFSC Code :** SBIN0050279  
**Swift Code :** SBININBB288



## Important Deadlines

**Last date for submission of paper for MN Das Memorial Young Scientist Award 2027 :** October 31, 2026  
**Last date for Abstract Submission :** December 15, 2026  
**Last Date for payment of registration fee without additional charges :** December 31, 2026  
**Issue of Acceptance Letters for Abstracts :** January 15, 2027

## Accommodation

Limited accommodation is available in University Guest House and will be available on first come first served basis. The accommodation on payment basis can be booked in hotels in and around Solan city. The hotel room tariffs range between ₹ 1500 - 7500/- (Twin sharing basis). For students, dormitory accommodation (payment basis) will be provided on request, as per availability. Delegates with accompanying person(s) may have to make hotel arrangements because of limited accommodation in University Guest House.

Solan experiences late-winter conditions during this period, with daytime temperature ranging from 18°C - 22°C and cooler mornings and evenings between 5°C - 10°C. The participants are advised to carry appropriate winter wear.

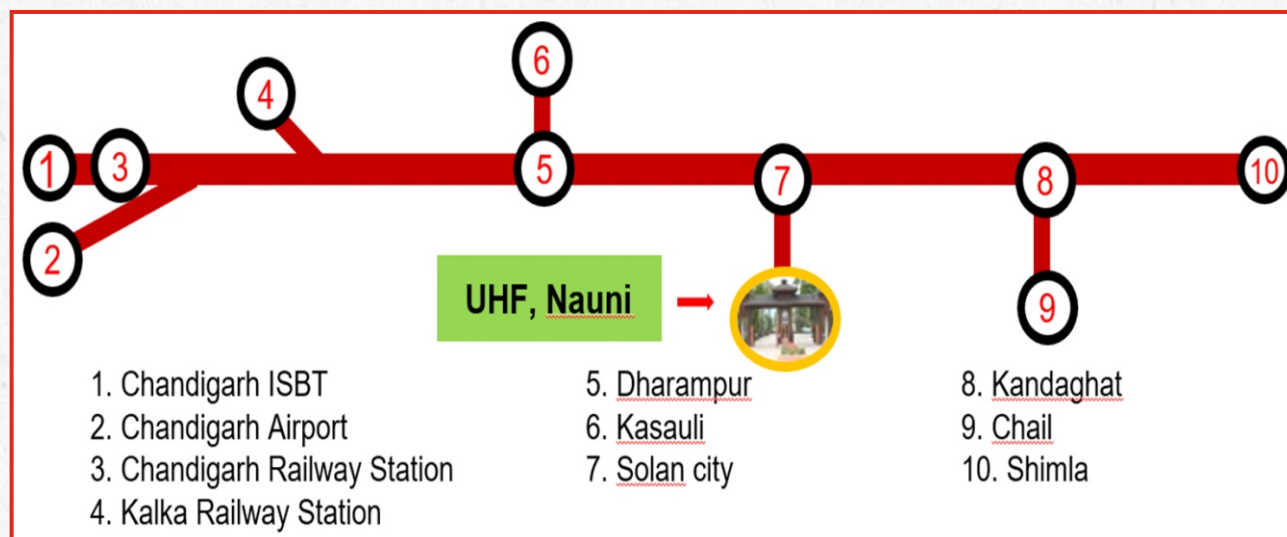
## About the Society of Statistics, Computers and Applications (SSCA)

The SSCA aspires to create awareness among statistical fraternity of innovative application of statistical sciences to other sciences like agriculture, informatics, financial, medical, bio-sciences, management, industrial, etc. The SSCA constitutes a unique think tank and an important forum for harnessing statistical sciences for enhancing the quality of research of Indian researchers, who have keen interest in the dissemination and fusion of statistical sciences with other sciences. The society has emerged as a vibrant national statistical sciences organization devoted to promoting and popularizing statistical research, education, and knowledge pool towards a human activity with a human purpose that must evolve within a social or human system, promote human welfare, and improve quality of life and well-being by advancing the discovery and effective use of knowledge from data. The mission of SSCA is to provide a platform for promotion and dissemination of research in Statistics, blended with information technology, among both theoretical and applied statisticians dedicated to advancing technology for the benefit of humanity. The SSCA brings out a journal (<https://ssca.org.in/journal.html>), called "Statistics and Applications" with two issues per volume (per year). The journal aims at providing a platform to researchers in Statistics, Computer Sciences, Bioinformatics, and allied sciences from all around the globe to publish their research after a stringent review process. The journal encourages basic research for the advancement of statistical sciences, especially in the emerging areas and facilitates innovative applications of statistical sciences in various other sciences like agricultural, social, medical, biological, industrial, financial, including health, hunger, and hygiene. The Journal is indexed in Web of Science (Impact factor: 0.3) and Scopus (Cite Score: 0.4).



## How to reach YSP UHF, Nauni, HP

The YSP UHF is well connected by road, railway network and air. Regular bus service is available from Delhi to Solan. The nearest broad-gauge railway stations are Chandigarh and Kalka. Several trains including Shatabdi/Vande Bharat Express run from Delhi to these stations. Narrow gauge train is also available from Kalka to Solan. The nearest airport is in Chandigarh about 70 kms from Solan.



- ✧ The nearest **airport** is **Shimla Airport (Jubbarhatti)**, about **50 km** from Solan.
- ✧ Another convenient option is **Chandigarh International Airport**, about **70 km** away with better connectivity from major cities in India.
- ✧ The nearest major railway station is **Kalka Railway Station (~40 km)**. From Kalka, famous Kalka–Shimla Railway (toy train), stops at Solan.
- ✧ Another convenient option is **Chandigarh Railway Station (~72 km)**.
- ✧ Solan is well-connected by road and lies on the **Chandigarh–Shimla Highway (NH-5)**.
- ✧ From Solan to YSP UHF Nauni(**15 km**), Taxi/cab services and buses are easily available at regular intervals.

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|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Chief Patron</b>                    | Dr. Harminder Singh Baweja,<br>Vice Chancellor, YSP UHF, Nauni, Solan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Co-Chief Patron</b>                 | Vinod Kumar Gupta, President-in-Chief, SSCA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Conference Organizing Committee</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Patron</b>                          | R.C. Agrawal, Former DDG (Education), ICAR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Advisory Committee</b>              | C. Paulrasu, IAS, Secretary (Agriculture), Go HP<br>Rakesh Kanwar, IAS, Pr. Secretary to Hon'ble CM & Secretary (Education), Go HP<br>P.L. Gautam, Chancellor, RPCAU, PUSA, Bihar<br>Rajeshwar Singh Chandel, Vice Chancellor, SDAU, Dantiwada, Gujarat<br>Mahavir Singh, Vice Chancellor, HPU<br>Anupam Mishra, Vice-Chancellor, CAU, Imphal<br>Sat Prakash Bansal, Vice-Chancellor, Central University of HP<br>R.D. Nazeem, IAS, Vice-Chancellor, CSKHPKV, Palampur, HP<br>N.A. Ganai, Vice Chancellor, SKUAST-K, J&K<br>B N Tripathi, Vice Chancellor, SKUAST-J, J&K<br>Mahavir Singh, Vice Chancellor, HPU Shimla<br>Inder Dev, ADG (EP & HS), ICAR-New Delhi<br>Seema Jaggi, ADG (HRD), ICAR, New Delhi<br>D P Sharma Director of Extension Education, YSP UHF, Nauni, Solan<br>Devina Vaidya, Director Research, YSPUHF, Nauni, Solan<br>Manish Sharma, Dean, COH, YSP UHF, Nauni, Solan<br>Satish Bhardwaj, Dean Students' Welfare, YSP UHF, Nauni, Solan<br>Satish Sharma, Librarian, YSP UHF, Nauni, Solan<br>Nagesh Thakur, Professor & Former Head, Dept. of Physics HPU Shimla<br>Pardeep Kumar, Dean Academics, CUHP, Dharamshala |






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|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Chairman</b>                     | P K Baweja Principle Scientist and Head (Environmental Science)<br>COF Nauni                                                                                                                                                                                                |
| <b>Convenor</b>                     | C L Thakur, Dean, COF, YSPUHF, Nauni, Solan<br>Rajesh Kaushal, Professor & Head (Soil Science and Water<br>Management), YSP UHF Nauni, Solan                                                                                                                                |
| <b>Organising Secretary</b>         | Ashu Chandel, Prof & Head (Basic Sciences)                                                                                                                                                                                                                                  |
| <b>Co-Organising Secretary</b>      | Anil Handa, OSD to Vice Chancellor<br>Sudhir Verma, Principle Scientist (Soil Science and Water<br>Management)<br>Subhash Sharma, Associate Prof & Head (Social Sciences)<br>Anju Sharma, Assistant Professor (Statistics)<br>Geeta Verma, Assistant Professor (Statistics) |
| <b>Organising Committee members</b> | Amit Sharma, Assistant Professor<br>Neeraj Sankhyan, Assistant Professor<br>Ajit Sharma, Assistant Professor<br>Ranjna Sharma, Assistant Professor<br>Samriti, Assistant Professor<br>Deepak Agnihotri, Assistant Professor<br>Sarita Devi, Assistant Professor             |

### Office Bearers of SSCA

|                             |                                                                                                                                                                |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Founder President</b>    | <b>Late Prof. M.N. Das</b>                                                                                                                                     |
| <b>President-in-Chief</b>   | <b>Vinod Kumar Gupta</b>                                                                                                                                       |
| <b>Presidents</b>           | <b>Ashish Das<br/>Rajender Parsad</b>                                                                                                                          |
| <b>Executive Presidents</b> | <b>Jyotirmoy Sarkar<br/>Manish Sharma<br/>Manisha Pal</b>                                                                                                      |
| <b>Vice Presidents</b>      | <b>A. Dhandapani<br/>P. Venkatesan<br/>Praggya Das<br/>Ramana V. Davuluri<br/>S.D. Sharma<br/>V.K. Bhatia</b>                                                  |
| <b>Secretary</b>            | <b>Vishal Deo</b>                                                                                                                                              |
| <b>Patrons</b>              | <b>A.C. Kulsreshtha, A.K. Nigam, Bikas K. Sinha, D.K. Ghosh,<br/>K.J.S. Satyasai, P.P. Yadav, Pankaj Mittal, R.B. Barman, R.C.<br/>Agrawal, Rahul Mukerjee</b> |
| <b>Foreign Secretary</b>    | <b>Abhyuday Mandal</b>                                                                                                                                         |
| <b>Treasurer</b>            | <b>Ashish Das</b>                                                                                                                                              |
| <b>Joint Secretaries</b>    | <b>Bishal Gurung<br/>Rakhi Singh<br/>Shibani Roy Choudhury</b>                                                                                                 |

### Important Lectures

- ☒ Keynote Address (Conference Talk)
  - ☒ M.N. Das Memorial Lecture
  - ☒ B.K. Kale Memorial Endowment Lecture
  - ☒ J.K. Ghosh Memorial Endowment Lecture
  - ☒ Aditya Shastri Memorial Endowment Lecture
  - ☒ Bikas K. Sinha Endowment Lecture
  - ☒ V.K. Gupta Endowment Award for Achievements in Statistical Thinking and Practice Lecture
  - ☒ M.N. Das Memorial Young Scientist Award Presentations
  - ☒ Financial Statistics Session
- 



## Steering Committee

- ✦ A.K. Matai (Manipur University)
- ✦ A.K. Shukla (G.B. Pant University of Agriculture & Technology, Pantnagar)
- ✦ Adesh Kumar Sharma (ICAR -NDRI, Karnal)
- ✦ Alok Shrivastava (Navsari Agricultural University, Gujarat)
- ✦ Annick Vignes (French National Institute for Agriculture, Food and Environment)
- ✦ Bikas K. Sinha (ISI Kolkata)
- ✦ D.D. Hanagal (SPPU Pune)
- ✦ Davinder Kumar Garg (Punjab University, Patiala, Punjab)
- ✦ Debasis Kundu (IIT Kanpur)
- ✦ Girish Chandra (University of Delhi)
- ✦ Gurjeet Singh Walia (Central University, Odisha)
- ✦ Gyan Prakash Singh (Banaras Hindu University, Varanasi)
- ✦ H.V. Kulkarni (Shivaji University, Kolhapur)
- ✦ J.P.S. Joorel (University of Jammu)
- ✦ Kalpana K. Mahajan (Punjab University, Chandigarh)
- ✦ Manoj Kumar Khanna (University of Delhi, South Campus, New Delhi)
- ✦ Med Ram Verma (ICAR-IASRI, New Delhi)
- ✦ Mohammed Javed (Punjab Agricultural University, Ludhiana)
- ✦ N. Balakrishnan (Mc Master University, Canada)
- ✦ O.P. Sheoran (CCS Haryana Agricultural University Hisar)
- ✦ P.G. Sankranti (Formerly at CUSAT, Cochin)
- ✦ P.K. Mahajan (Formerly at Dr. YSP UHF, Nauni)
- ✦ Piyush Kant Rai (Banaras Hindu University, Varanasi)
- ✦ Pratheesh P Gopinath (Kerala Agriculture University)
- ✦ R.B. Barman (Former Chairman, National Statistical Commission, Mumbai)
- ✦ R. Gangai Selvi (Tamil Nadu Agricultural University, Coimbatore)
- ✦ Rahul Mukerjee (IIM Kolkata)
- ✦ Rakesh Kumar Gupta (Dr. YSP UHF Nauni)
- ✦ Raosaheb Latpate (Savitribai Phule Pune University)
- ✦ Ravinder Malhotra (ICAR-NDRI)
- ✦ S.C. Malik (M.D. University, Rohtak)
- ✦ Santosh Gitte (Mumbai University)
- ✦ Sat Gupta (University of North Carolina, USA)
- ✦ Shakeel Ahmad Mir (SKUAST-K)
- ✦ Shalini Chandra (Banasthali Vidyapith)
- ✦ Srinivasa Rao Jammalamadaka (University of California, USA)
- ✦ Tariq A. Raja (SKUAST-K)
- ✦ Tirupati Rao Padi (Pondicherry University, Puducherry)
- ✦ U.V. Naik-Nimbalkar (IISER, Pune)
- ✦ V. Ravi (Sri Venkateswara College, University of Delhi)

## Important

- ✦ *The conference is open to all, without gender discrimination; participation is based solely on eligibility.*
- ✦ *Special arrangements are made for persons with disabilities.*
- ✦ *Immediate medical assistance will be provided in case of any emergency.*

## Contact Details

**Conference Email:** [sscaconference2027@gmail.com](mailto:sscaconference2027@gmail.com)

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## Places of interest in and around Solan



**Jatoli Shiv Temple**, one of the famous holy places in Solan and Asia's highest Shiv temple, offers a serene and spiritual experience (located 8km from UHF). Nestled amidst picturesque hills, its architecture reflects ancient design principles, inviting visitors to immerse in devotion and tranquility. The rhythmic chants and rituals by devotees enhance the ambiance, creating a sense of reverence and connection to the divine.

**Mohan Shakti Heritage Park** is located 30 km from UHF. This park is a captivating blend of spirituality and nature, featuring a grand temple with intricate carvings, expansive gardens, and stunning Himalayan views. The lush greenery, well-maintained lawns, and beautiful flower beds create a peaceful ambiance.



**Mashobra and Naldehra**, located 60–70 km from UHF, are serene hill destinations known for their dense deodar forests, apple orchards, and scenic landscapes. Naldehra is especially renowned for its historic golf course, while Mashobra is admired for its tranquil environment and rich biodiversity. With panoramic valley views and pleasant weather year-round, they offer an ideal setting for research visits and nature exploration.

**Chail**, located about 50 km from UHF, is a serene hill station renowned for its captivating beauty and rich history. Once the summer capital of Patiala, it features the world's highest cricket ground, lush cedar forests, and the majestic Chail Palace. Surrounded by breathtaking landscapes, tranquil escape, and colonial architecture.



**Shimla**, the capital of HP, is a charming hill station in the Himalayas (~60 km from UHF). Known for its colonial architecture and leisurely pace, it was once the summer capital of British India. Surrounded by lush greenery and snow-capped peaks, Shimla offers breathtaking views and is a haven for nature lovers.

**Dolanji** is an offshoot of the Menri Monastery, the second oldest monastery in the world. It is located at a distance of 24–25 km from Kumarhatti, on the Narag-Sarahan road and is run by the Yungdrung Bon Monastic Centre. Constructed in 1969, it was founded by Abbot Lungtok Tenpai Nyima. The place is considered to be the best place to witness Tibetan culture. This monastery has recreated the Geshe training program and is home to over 200 monks.

