



M.Sc. Forestry (2017-19)

PLACEMENT BROCHURE 2017-19

M.SC. FORESTRY



When the
roots are deep,
there is no reason
to fear the wind

**FOREST RESEARCH INSTITUTE
DEEMED TO BE UNIVERSITY**

(Indian Council of Forestry Research and Education)

P.O. IPE Kaulagarh Road, Dehradun-248195,
Uttarakhand, India

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**FOREST RESEARCH INSTITUTE DEEMED TO BE UNIVERSITY
DEHRADUN-248006, UTTARAKHAND, INDIA**



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From the Vice Chancellor's Desk

The Forest Research Institute (FRI), founded in 1906, is a premiere institute in the field of forestry research and education. FRI, one of the institutes of the ICFRE, Dehradun, was conferred the status of University in the year 1991 on the recommendation of the UGC, Ministry of HRD, Government of India.

The MSc Forestry programme started in 1991 is designed to train students as future foresters and provides up to date knowledge on forestry practices all over the world. New and relevant courses like GIS and Remote Sensing, Wildlife management and Protection, Eco-Development and Tourism, Marketing system and Project Formulation have been added to supplement the already existing courses that includes traditional streams of forestry such as Silviculture, Management and Mensuration. Equal emphasis is maintained on course work and field exposure during the entire programme.

The faculty includes eminent scientists and field officers having a long experience of teaching and research. The programme is well equipped to handle the ever dynamic field of forestry and also exposes the students to Silviculture, Management, Bio-fertilizers and Protection related issues.

On behalf of this prestigious institution, I take the pleasure of inviting Industries, Corporate, Business organisations, NGOs, and other employers to organize campus recruitment programme in our University and assess the calibre of our budding foresters. I am confident that a visit to our Institute will be mutually beneficial.

I wish all the students of MSc Forestry the very best in their career. I am sure that they will make significant progress in their profession.

Dr. Savita, IFS

Vice Chancellor,
FRI (Deemed to be) University,
Dehradun.





From the Dean's desk

The Forest Research Institute (Deemed to be University), is one of the premier Institutes of Forestry and allied fields working under Indian Council of Forestry Research & Education (an autonomous Council of Govt. of India, Ministry of Environment, Forest & Climate Change). It was established in 1906, which soon became a brand name recognised throughout the world by dint of exceptional research particularly in tropical forestry. The Government of India, Ministry of Human Resource Development declared Forest Research Institute as Deemed to be University in the year 1991.

FRI aims for academic excellence in the field of forestry, environment and allied fields and to achieve this, renowned experts conduct teaching and practical sessions, which introduce students to the most current developments, thinking and practices in a variety of academic and professional fields of forestry. In the two-year Masters courses, students all over from India selected through stringent nationalised exam, as well as from SAARC countries, are trained to conceptualize the subjects with an integrated modern approach. They are provided with an excellent natural environment with a great campus, diverse culture, and direct practical exposure to the advanced equipment and technologies of the field.

Our aim is that the students emerge from the institute to become pragmatic professionals, responsible citizens and successful leaders. With diverse learning approach with a professionally developed course curriculum, from classroom teaching, field exposures, to being allowed to handle and manage official issues and events, the students are made capable enough to carve out their niche in any kind of situation. They are well trained to lead projects in lab, industry or fields, analyse, and as well, perform successfully in policy formulations.

With dedicated research work, and divisional and institutional attachments, the students are well trained to prosper the research and development sectors of the field. Our students are triumphantly carrying our flag in different National bodies of Government of India, International Agencies, and renowned Non-Government Organisations in the field of Forestry and Allied subjects.

It is a pleasure to invite you to our campus placement to experience our student resources and we look forward for a mutually beneficial, and a long-term relationship.

Dr. H.S. Ginwal
Dean (Academics)
FRI (Deemed to be) University,
Dehradun.



FOREST RESEARCH INSTITUTE

About FRI

On the serene foothills of Himalayas at the Doon Valley, with a picturesque backdrop of the Mussoorie hills, stands the magnificent Forest Research Institute with its lush green campus. Forest Research Institute (FRI), the foundation of scientific forestry in India, made a humble beginning at Dehradun as the Forest School established in 1878. Initially named as Imperial Forest Research Institute, FRI came into being in 1906. Later, the institute was renamed as Forest Research Institute and Colleges, with a number of centres located at different places all over the country, with the sole objective to administer research as well as training of Forest Officers and Forest Rangers. After reorganization of Forestry Research in the country and creation of Indian Council of Forestry Research and Education (ICFRE) in 1988, the training and research centres were given an independent status of institutes. Forest Research Institute, now one of the institutes under ICFRE, was conferred the status of Deemed to be University in December 1991 under U.G.C. Act 1956 on the recommendations of the UGC, Ministry of Human Resource Development, Government of India. It enjoys the status of an ISO 9001:2008 certified organisation.

Goals

The goal of FRI is to impart modern education in the disciplines of forestry and environment and to provide for research and for the advancement of and dissemination of knowledge in the fields.

The disciplines pursued in the Institute are Silviculture, Resource Survey and Management, Social forestry, Minor forest produce, Ecology and conservation, Genetics and tree propagation, Forest protection, Forest Botany, Forest products and Forest Operations.

The thrust areas are bio-diversity, tree improvement & quality seed production, non-wood forest products, social forestry & wasteland afforestation, design development of modern forestry tools, etc. aimed to achieve sustainable forestry.

To create consciousness about forest and environment among the people through extension programs and do all such other acts and things as may be necessary or desirable to further the safeguarding of environment and protection of forest & wildlife.



FRI MORE THAN AN INSTITUTION

KNOWLEDGE RESOURCE

FRI Deemed to be University select each batch of students through a stringent procedure of nationalized entrance test and through fellowships. The combination of leading scientists in the field from ICFRE, FRI, WII, WIHG guide the students with an approach to meet the current international trend. An up to date course structure aims to impart knowledge of latest forestry advancements, new innovations in the field of environment, green technology and new horizons of sustainability and conservation biology. The scientists from FRI and ICFRE constituting the board of studies actively incorporate their valuable inputs to ensure that the students graduate with enough knowledge and experience to successfully embrace the challenges in industry as well as in research & development.

CULTURE

A pure environment of the lush green FRI campus, the access of a reserve forest, diverse faculty, and a dynamic class with students from all over the nation and SAARC country students ensure the exposure to a diverse culture. Under the umbrella of students club, the different committees and activities are planned and executed by the students which enable their organizing managerial and leadership skills. It inculcates team spirit and develops both IQ and EQ of the students.

PRACTICAL EXPOSURE

Lectures in classrooms deliver the students a comprehensive knowledge of theoretical aspect. The students can fathom the subjects thoroughly only through first hand practical exposure. Regular practical classes in different scientific laboratories of FRI, the nursery, the reserve forest along with regular tours and field visits ensure the holistic development of students. Multiple field trips and institute visits during first semester, a six day tour during second semester, a 3 weeks south India tour provides an opportunity to learn the subject intensively.

The various occasions of national and international seminars, symposia, conferences held in FRI provide the students a chance to interact with renowned scholars and representatives of prominent organizations of national and international repute.



RESOURCES

NFLIC: The National Forest Library and Information Centre (NFLIC) recognised as an ENVIS centre, is the largest resource for forestry and allied subjects. The students get an enormous opportunity to learn about the Indian and global forestry issues in an ambient environment.

MUSEUMS: The museums of FRI give an elaborate idea about the transition of Indian forestry through the century. The regular accessibility to these landmarks is itself a gift to the inquisitive students to learn in depth about Indian Forestry.

LABORATORIES: The students have an open access to all the laboratories of the different divisions of FRI. Students are given exposure to the advanced forest research through the latest instruments and equipment in the modern laboratories.

ARBORETUM: The arboretum, established in 1927, with a 30 ha area of New Forest, provides students an excellent opportunity to study the different tropical, sub-tropical and some temperate tree species from close affinity.

BAMBUSETUM: The FRI Bambusetum with 42 indigenous and exotic bamboo species provides the students a first-hand knowledge about ecology, genetics and propagation techniques of bamboos. It provides planting material to different organisations, institutions and researchers.

DEHRADUN (DD) HERBARIUM: The herbarium, established in 1908, has a record of preserving more than 3 lakhs of specimens, the oldest being preserved since 1807. This Herbarium is one of its kind with such huge collection of forest species. The students learn the art of collecting, treating and preserving specimens from the finest experts.

NTCC & FUNGARIUM: FRI has National Type Culture Collection and Fungarium which constitute a platform of study and research to Masters students and research scholars.

BOTANICAL GARDEN: The FRI Botanical Garden, established in 1925, by R.N. Parker, with a 10 ha area is a haven of more than 184 tree species from around the world. The students get ample opportunities to learn from this invaluable resource.

XYLARIUM: The Xylarium of FRI, maintains an over a century old wood collection from different forests of the country and also from different laboratories all over the world through exchange. The collection with over 18000 specimens gives the students an enormous opportunity to learn wood anatomy of the tree species.

RESERVE FOREST: Living inside a reserve forest with a regular access to it, the students are appraised with the different aspects of forestry-works with an on-hand experience. From stock mapping, regeneration survey, camera trapping, identifying diseases, indicators of sustainable management, to preparing a mock Working Plan, the students learn the subject holistically on field.

THE CENTRAL NURSERY: The Central Nursery gives an opportunity to the students to learn actively about the various nursery techniques. The students, as well, learn about the function and handling of the traditional and modern modern nursery propagation structures.



FIELD VISITS AND INSTITUTIONAL ATTACHMENTS

The regular visits to other Institutions, and getting attached for Term Papers and M.Sc. theses, provide the students with an excellent opportunity to explore the different arenas of research and development, management strategies.

Visited Field Areas and Institutes:

Institutes: Zoological Society India, Wildlife Institute India, Indian Institute of Remote Sensing, College of Forestry Training and Research Institute, Institute of Wood Science and Technology, Institute of Forest Biodiversity, Indian Institute of Sciences, National Centre for Biological Sciences, Institute of Forest Genetics and Tree Breeding; Y.S. Parmar University of Horticulture and Forestry (Nauni), Kerala Agricultural University/KFRI, National Centre for Antarctic and Ocean Research, National Institute of Oceanography, Pragati Biotech. (Hoshiyarpur), JhilmilJheel Sterilisation Centre, Jatayu Breeding Centre (Panchkula).

Parks, Sanctuaries and Conservation Areas: Malsi Deer Park, ChirPheasanry (Chail Wildlife Sanctuary), Himalayan Nature Camp (Kufri), Asan Barrage Conservation Reserve, JhilmilJheel Community Conservation Reserve, Hyderabad Zoo, Periyar Tiger reserve, Marine Biodiversity Park (Gulf of Mannar),

Field Visits: Chakrata Forest Range, Dhanaulti Forest Range, JFM site at Sukhomajhri (Haryana), Kasaul Forest Range, Pine Hills Eco Camp (Eco tourism site of Solan Division, Himachal Pradesh Forest Department), KarpoorVaatika, the Medicinal Plant Nursery of Haryana Forest Department, Gass Museum, Rubber Plantations, Rajmala Tea Museum, Kerala Forest Development Corporation Flower Garden, Mattupett Dam, ChinnarTreck, Marayur Sandal Division and Sandal Dept.,



M.Sc. Forestry

The programme aims to provide ample opportunity to the students to pursue professional careers in the research, development, management and policy of forest resources. Students are made well equipped to address the problems related to forest and natural resources across a wide span of urban to rural environments.

The syllabus is a harmonious integration of the natural and social sciences focussing on the complex relationships among the science, management and policy of forest resources. The structure of the curriculum is designed to synthesize the knowledge with multidisciplinary approach. It incorporates the know-how of the new arenas of global forestry sector.

The goal is to holistically perceive forest resources of various public and private values within a complex scientific, social, political and ecological environment. The students have the potential to successfully face challenges in inspecting, managing, researching and developing forest resources sustainably and as well aid in effective policy formulation.



Academic Course structure

Forest Botany:

- Classification, important families (Angiosperms and Gymnosperms) of forestry with distinguishing characters, under microscope.
- Identification of Bamboo species and important forestry species
- Sampling Techniques and Laying of Quadrates
- Herbarium – Collection, pressing preservation & mounting, classification
- Basics of Plant taxonomy, tree anatomy, morphology and physiology.

Silviculture:

- Concepts of global silvicultural practices and plantation technology.
- Silvicultural systems and techniques of afforestation, reforestation, restoration.
- Selection and management of exotics, MPTs, Industrial plantation species.

Plantation Technology:

- Plantation and management techniques in arid, coastal and hilly areas, water-logged, cold deserts, ravines, saline/alkaline areas, sand dune areas, mining areas and salt affected sites, landslide affected and other degraded/vulnerable sites.
- Plantation technology for natives, exotics, MPTs, single species, mixed species for Industrial plantations.

Seed Science & Nursery Technology:

- Morphology and structure of seeds, Major types of forest seed - recalcitrant, orthodox, encapsulated and eglutanized seeds.
- Management of Forestry Seeds: Seed source, collection, processing, storage, testing and pre-sowing treatments, sowing techniques. Seed bed preparation - site selection, design and layout, tending operations – watering, weeding, and shading.
- Seed certification
- Nursery soil fertility management through rhizobial and mycorrhizal associations.

Basic geology and soil science:

- Basic concepts of Geology. Rock types and their impacts on forestry.
- Concepts of Soil Science. Soil fertility: factors affecting soil fertility, methods of soil fertility evaluation, methods of

soil evaluation, chemical and biological methods.

- Essential plant nutrients – N, P and K and their transformation in soil, their role and deficiency symptoms. Fertility management through organic and inorganic fertilizers.
- Methods of soil survey and their utility. Preparation of soil survey map. Systems of soil classification in general and USDA classification system. Soil types of India, extent, distribution, constraints and technology for afforestation of wastelands.

Ecology and Ecosystem Analytics:

- Concepts of ecology & ecosystem with special reference to forestry.
- Eco system modelling, survey and mapping of forest cover, forest change detection
- Forest damage assessment and monitoring
- Land evaluation for forestry and forest inventory (LULUCF)
- Spatial Pattern analysis, Species abundance relationship, species affinity
- Community classification, Community ordination, Community interpretation
- Monitoring & analysis of micro-meteorological parameters.

Remote sensing and Geographical Information System

- Basic principles of remote sensing, aerial photography and photo grammetry, photo-interpretation, and thematic mapping.
- Introduction to various types of satellites and sensors, resolution, form of data. Acquisition and interpretation of satellite data for forestry purpose, vegetation mapping.
- GIS in Forest management, Forest inventory planning, design, alternatives, execution, compilation and reporting.

Computer applications

- Word, Excel, Power Point and Access
- Adobe Photoshop, Coral Draw & Video editing

Statistics and research methodology:

- Basic statistical methods and importance in forestry.
- Analysis of variance.
- Sampling technique and design of experiment, sampling in forestry. Classical sampling design-simple random sampling, stratified random sampling, systematic sampling.
- Principles of experimental design, CRD, RBD, LSD, factorial experiments, introduction to incomplete block design. Computer based Statistical techniques such as SPSS.

Forest resource utilisation:

- Basic knowledge of wood products and advanced technology of seasoning, preservation and composites.
- Particle boards, MDF (Medium Density Fibre board). Wood based industries, their status in India and future expansion plans,
- Classification and grading of Indian timbers for various wood based products.
- Wood substitution, utilization of plantation wood, problems and possibilities.
- Importance and use of Non-Timber Forest Products such as medicinal plants, oil, bio-fuels, resin, tannin drugs, lac and shellac including their importance in rural, tribal and national economy.

Forest mensuration and biometry:

- Measurement of forest crop - diameter, height, age and volume, calculation of current annual increment and mean annual increment of stand, yield tables, mathematical models.
- Forest inventory – planning and design, alternatives, sampling, execution, compilation and reporting.
- Forest sites-classification and evaluation, quality classes and site index models, stand growth and its current estimation and production – various methods.
- Plant and animal biomass estimation: Measurement of forest crop – diameter, height, age and volume, Inventories and enumeration.

Forest management:

- Object and Principles of forest management. Resource base-present and future demands.

- Current practices. Ecological, Economics and Environmental valuation and Appraisal methods.
- Yield calculation management and regulation. Sustained yield, Trinity of Norms, Increment.
- Criteria and indicators of Sustainable Forest Management.
- Working plan-preparation and control, National Working Plan Code, Management plans.

Wildlife and eco-development:

- Concept and importance of biodiversity, wildlife and their management in support of conservation.
- Wildlife management, Wildlife behaviour studies, Man animal conflict.
- Conservation strategy – life support systems, ex situ and insitu, protected area network, agencies for conservation, human dimension, wildlife in managed forests.
- Eco development: Macro and micro planning, Case studies.

Forest genetics:

- Concept of genetics and biotechnology for quality improvement of forests.
- Introduction to application genetics in plant improvement.
- Biochemical characterization, Basic Concepts of DNA fingerprinting, Transgenics, Elements of tissue culture, Chloroplast transplanting.
- Tissue Culture, Vegetative propagation methods.
- Techniques of selecting superior trees in natural stands and controlled crossing.

Forest health and vitality:

- Basic principles of forest protection and factors affecting forest health.
- Insects, pest and pathogens of nurseries, natural and plantation forests, standing and felled trees, timber in storage and other forest produce.
- Environmental factors and disease incidents. Forest fires, effects & control measure.
- Forest fungi: Major species, common characters, Phenomena of parasitism-host and parasite relationship; Mycorrhizae-characteristics features and economic importance.
- Integrated pest management (IPM), Plant protection and quarantine.

Forest policy and law:

- Basics of Constitution, Law and Policy. Conceptualizing policy framing and formulation. Brief idea of Indian Penal code, CPC, Cr.P.C and other enactments in India.
- Detailed concept of Laws and Policies of Forest and Environment and their practical application.
- National and International Acts, Policies, Conventions and Agreements of Forests, Environment, Wildlife and Climate Change.

Forest economics

- Basics of Economics. Goods and services from forests, measuring forest ecosystem values and benefits.
- Monetization of intangible services from forest, Soil expectation value, Economics of carbon sequestration.
- Models for direct and indirect benefit estimation: market price method, productivity method, Travel Cost Method (TCM), Hedonic Pricing Method (HPM) and Contingent Valuation Method (CVM)
- Contribution of goods and services from forests to national GDP, Natural Resource Accounting.

Natural resource management:

- Natural resource systems and its sustainable management.

Forest biodiversity assessment:

- Estimation of forest carbon. Carbon (C) cycle in the forest; carbon related definitions e.g. C-pool, C-stock, C-flux, C-sink, C-source, Sequestration/uptake. Measurement of Carbon in forest ecosystems, Eddy covariance. A broad view of assessment of C in Indian forests.
- Preparation of EIA report of a site.

Social and community forestry

- Social and community forestry: Concepts, variation, and their role in rural, tribal and urban development; Tradition of forest consecration, rights and concessions.
- Choice of species and management of social forestry plantations.
- Joint forest management: Concept, principles and application, strategies, micro-level planning and Participatory Rural Appraisal. Rural development, employment generation. Monitoring and evaluation of Micro-plans.
- Forestry extension: Communication, extension work; programme planning and methods. Management of extension organizations. Role of voluntary organizations / NGO's and national and international agencies.

Landscape approach to management:

- Land capability classification, general practices for soil and water conservation.
- Concept and characteristics of watershed management, restoration of deteriorated watershed.
- Biological along with engineering approaches to bio-aesthetic planting and landscaping, choice of species and sites.
- Principle and practices of range land management, Vegetation manipulation for effective land use; Grazing systems and their management.
- Preparation of an Integrated Watershed Management Plan for a micro-watershed.

Forest, society and climate change:

- Social dimensions on climate change, climate vulnerability and its assessment, conflict over resources and their management. Gender impact analysis, Social drivers of Climate Change.
- Land use and Forest Cover Change due to anthropogenic activities.
- Role of forests, Trees outside forests and agro forestry in climate change resilience and adaptation.
- Participatory process, Stakeholders and SWOT Analysis, Rapid Rural appraisal (RRA). Communicating and connecting to people on social and environmental concerns
- Data and Information collection, handling and analysis. Spatial and non – spatial data handling using Geographic Information Systems (GIS), Analysis of trends and scenarios, Methods for assessing climate change vulnerability and adaptation potential.

Forest certification:

- Concept and importance of forest certification and its programmes in India. Details about FMU, CoC, fact and figures of certification (Global and India).
- Standards, certification process, accreditation, auditing, managing audit, organizational process, national and international schemes, certificate processes at global level, Bhopal-India Process.
- NTFPs and their role in forest management, certification of NTFPs, Need of certification for wood based Industries.
- Framework for forest certification in India - government policies and their objectives.
- Indian forest certification agencies, standards of certification and their progress in India.
- Stakeholder expectation and economics of forest certification.

List of elective courses for specialisation:

- **Forest Genetics and Biotechnology:**
Impart advance knowledge of plant tissue culture, molecular biology and genetic engineering and their applications in modern forestry.
- **Remote Sensing and Geographic Information System:**
Fundamental characteristics of electromagnetic radiation and their application in forestry and allied areas through RS and GIS.
- **Wildlife and Habitat Management:**
Comprehensive understanding of wildlife and their conservation strategies with ecosystem development.
- **Sustainable Forest Management:**

Comprehensive concept of holistic forest-resource management strategies. Conceptualizing the goal of all-inclusive sustainable development, with a protective look out to sustainable forest ecosystem management.

• Agro forestry

Concept of agroforestry and tree management techniques and their extension strategies.

• Forest Pathology

Impart knowledge of tree disease and its management. The concept of plant-microbe interaction and importance of mycorrhiza in forestry is clearly explained in this elective.

• Forest Entomology

Enrich the knowledge with the information about insect, insect-pest of economically important trees and timber species and their management along with industrially important insects.

• Environmental Impact Assessment

Importance of strategic environmental assessment in cumulative, regional and landscape level impact assessment.

• Plantation Technology

Enrich the knowledge about forestry and general techniques of raising tree seedlings in the nursery, their establishment in the field and nurturing into mature tree. It also covers the management, economic and post-harvest operations with legal aspects

• Plant Taxonomy

Impart knowledge about nomenclature and classification of genus, species and variety and to develop skills and abilities to identify plants in the field.

Pedagogy:

FRI provides the students with a modern classroom learning using methods like case analysis and conceptual group discussions based on the same, along with review of literature on various topics and preparation of reports, assignments and presentations (both individual and group).

• Term papers:

The objective of term papers is to make students to aware about, how to write a scientific research paper/technical report. In this course generally students have to review of literature in their field of interest related to forestry. It helps the students to develop their ability to do logical arguments and thought process and also helps students to learn to relate their thoughts and communicating them in a concise manner.

• Master Theses

In final semester students have full six months to conduct their own experiments and conclude the findings as theses reports. Students work on research problem and hypotheses under the supervision of a concerned faculty. It equips the students to pursue the goal in academic area or R and D section. They learn methods, techniques of research writing. This provides them an opportunity about identifying challenges and opportunities and helps them in solving problems through research and experimentation.



FRI – BUILDING ENERGETIC TODAY INTO RESPONSIBLE TOMORROW

Students' activities:

Hostel Mess Committees:

The hostel mess is a co-operative mess managed by active participation of the students, who constitute the mess committee and manage all operations of mess from cuisine, hygiene, resource availability to finance management. They skilfully manage and handle feasts organised on different occasions in hostels as well as in events in FRI DU.

Students Club:

The Students Club of FRI DU comprises all the students of FRI University. All the Extra-curricular activities of FRI DU are done under the single umbrella of Students Club. It provides the basic frame work for organising and managing any event in FRI DU. The club further consists of different organs.

Cultural Cell:

The Cultural cell organises the Annual Cultural Fest, and other cultural activities like Musical Evenings, Teachers Day, Flash Mobs. Awareness campaigns are also organised by the cell with Street plays (Nukkadnataks), Heritage walks for extending out to the regular public.

Literary Cell

The Literary Cell organises activities as Group discussions, Brain storming Sessions, Symposiums, Debates, Poster making competitions, Poetry writing competitions with active participation from Scientists and Forest Officials from CASFOS, IGNFA.

Quiz Cell

The Quiz cell brings out the passion of inquisitiveness not only among the students, but also actively involves the faculty with the different Quiz events organised all around the calendar year.

Nature Cell:

Nature cell connects the students to their natural roots via various activities like Birding, Nature walks, Butterfly walks, Mothings. This helps in harmonising the young minds with the emerging arena of conservation, and sustainability. Nature photography is also encouraged and the photographs are exhibited on events of special days.

Sports Week:

Sports are important for imbibing in the students the qualities like competitiveness, team spirit, hard work, leadership, discipline, and successfully achieving goals. Sports Week at F.R.I.D.U. organised every year in the month of March provides not only the students but Faculty and staff also to hone their skills at athletics, cricket, soccer, badminton, basketball, volleyball, table tennis etc. The goal is to achieve an active body for an active mind.

INTERNATIONAL CONCLAVES OF STUDENTS

IFSA

The International Forestry Students' Association brings together forestry students from all over the world to connect students to their peers, forest related organisations and policy platforms. The Students of IFSA Local Committee FRI aims to enrich the members' education through international meetings, networking and intercultural exchange. Since, IFSA is actively involved in many forest-related networks, organizations, and international policy processes, the students are aware about latest issues in their field worldwide. This helps the students to grow a broader perspective to look at things.

Incubation cell

The objective of incubation cell of FRIDU is to provide students with opportunities to enrich their professional and communication skills. It helps build an executive attitude among the students. Lectures and seminars by distinguished individuals are organised every week in the university which is supplement by active participation by the students. Skills like self-confidence, conflict resolution, emotional aptitude etc. are built through various workshops organised throughout the year.

Through the activities, the students build their capacities to shine through in all paths of their career and lives. These capable enthusiasts of today emerge to become groomed leaders and responsible citizens of tomorrow.



PLACEMENT HISTORY

Our students are presently placed with many institutions and organisations of eminence, as:

Indian Forest Services (IFoS), FRI, ICFRE, WII, IIRS, IIFM, TERI, WWF, FSC, The Forest Trust, RS&M Division of FRI, GB Pant Institute of Himalayan Environment & Development, AlMora (JRF) ITC, Steel Authority of India, WTI, StateForest Services, different State and Central Universities.

Different Industries where students were placed during campus placements in last ten years:

M/s Orient Paper Mills, Amlai, M.P.
M/s PRAGYA, Gurgaon
M/s FDRA, Dehradun
M/s Pragati Hi-tech, Yamunanagar
M/s Rubber Wood Industry, Cochin (Kerala)
M/s Swastik Plywood Industry
M/s Ballarpur Industry Ltd.
M/s CAPART, New Delhi
M/s ITC, Bhadrachalan (Andhra Pradesh)
M/s BILT
M/s Star Paper Mills
Amity University, Noida
M/s Star Paper Mills
MGA International Pvt. Ltd., Singapore
New Delhi Forest Department
ICICI Bank, New Delhi
M/s CMF, Jaipur
Rushil Décor Limited, Chikmaglure, Karnataka, India
MDF Manufacturing Unit RashtriyaIspat Nigam Limited-Visakhapatnam Steel Plant (RINL-VSP)
Megha Plantation Agro Products Ltd, Yash Nagar, Faizabad, U.P.
Foundation for Ecological Security (FES), Anand, Gujarat
Indian Overseas Bank
Reliance Foundation, Ahmedabad



TFT, New Delhi
M/s RabindraNath Tagore Trust
IISC, Bangalore
Vatavaran NGO
M/s Mother Herbs (P) Ltd.

Placement in 2015-2017:

M/s Goel Exports, Gurugram, Haryana
M/s Century Plyboards (P) Ltd., Kolkata, West Bengal
HCL Foundation, Lucknow, Uttar Pradesh
Chhattisgarh Forest Department
BILT, Yamunanagar, Haryana.

Placement in 2016-2018:

Pragya-India, Gurgaon, Haryana
GICIA India Pvt. Ltd. Noida (UP), India
ITC
SIDCUL
WII (project fellow)
FRI (research fellow)



Aditi Saini

Contact: 9411829867

Email:
sainiadi960@gmail.com

Graduation: B.Sc. Life Sciences
with CBZ

Interest: Forest pathology (Fungii),
Genetics and Biotechnology.



Amritesh Ranjan Dubey

Contact: 8860194878

Email:
amriteshdubey93@gmail.com

Graduation: B.Sc Life-Sciences

Interest: Wildlife and Habitat
Management.



Anamika Jangra

Contact: 9650275210

Email:
anamikajangra52655@gmail.com

Graduation: B.Sc. Life Sciences

Interest: Genetics, Molecular
markers, Evolutionary and
conservation genetics, Tree
improvement, Tissue culture.

INDIAN STUDENT'S PROFILE (2017-19)



Brijesh Pal

Contact: 9456331902

Email:
brijeshpl92@gmail.com

Graduation: B.Sc. (Hons.) Zoology

Interest: Silviculture, SFM, Forest
Fire



Chiranjeevi Gowda T.S.

Contact: 9916345573

Email:
chiranjeeviakash0@gmail.com

Graduation: B.Sc. Agriculture

Interest: Forest Pathology
(Mushrooms)



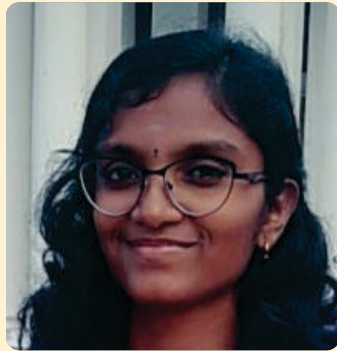
Darshan Gowda K.N.

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Graduation: B.Sc (Agriculture)

Interest: Agro forestry



E. Sindhu

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Graduation: B.Sc. Agricultural
Science

Interest: Agroforestry, Organic
Agriculture, Forest Extension,
Forest Pathology.



InuBidlan

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Graduation: B.Sc (PCM)

Interest:



Jaspreet Kaur

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9458963524

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Graduation: B.sc. Life Sciences

Interest: Plant Taxonomy,
Conservation Biology and Remote
Sensing



Kumari Hunney

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Graduation: B.Sc Zoology
Honours

Interest: Climate Change and its
Social Aspects.



Mangal Singh Bisht

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Graduation: B.Sc. CBZ

Interest: Forest Pathology (Fungal
ecology and Molcular Pathology),
Wildlife and habitat management
(special focus on avi-fauna),
Remote Sensing and GIS.



Manisha Thapa

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Graduation: B.Sc Agriculture

Interest: Agroforestry, Climate
Change, Forest Extension, Ecology
and soil Science

INDIAN STUDENT'S PROFILE (2017-19)



Kumari Manisha

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Graduation: Zoology Hons.

Interest: Conservation Biology,
Behavioural ecology (Focus on
Avifauna), Wildlife and Bioscape
management, Climate Change,
Forest and Wildlife Conservation
Networking.



Kajal Jainth

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Graduation: B.Sc Biotechnology,
Zoology, Botany

Interest: Genetics, Biotechnology,
Seed Technology.



Kiran Jangra

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Graduation: B. Sc. Life Sciences

Interest: Agroforestry models, Climate
change, Propagation techniques and
plantation methods, Non-Timber
Forest Products, Forest certification,
Urban forestry, Pollution control,
Sustainable management, Wildlife
management.



Megha

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Graduation: B.Sc PCM

Interest: Forest Pathology, Disease
management of nursery and
plantations.



Mohammad Tayyab Quazi

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Graduation: B.Sc. Forestry

Interest: Research and
Development, Agroforestry, Remote
Sensing and GIS Modelling, Policy
Formulation, Wildlife Conservation
and Management, Extension Forestry,
Forest Conservation Networking.



Nabam Sonia

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Graduation: B.Sc. Forestry

Interest: Wildlife and Habitat
management, Conservation
Biology, Non Timber Forest
Produce Merchandising, Climate
change.

INDIAN STUDENT'S PROFILE (2017-19)



Navita Chaudhary

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Graduation: B.Sc (CBZ)

Interest: Restoration of degraded areas, REDD+, Seed technologies, Watershed Management.



Nikhil Chanalia

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Graduation: B.Sc Biotechnology

Interest: Genetics and Wildlife Management.



Nishu Pushkar

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Graduation: B. Sc. Zoology

Interest: Biodiversity Conservation, Genetics, Non – Timber Forest Products, Wildlife management



Pooja Chand

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Graduation: B.Sc (ZBF)

Interest: Wildlife, Remote sensing and GIS.



Pooja Nautiyal

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Graduation: B.Sc. ZBC (Zoology Botany Chemistry)

Interest: Taxonomic studies of plants, Herbarium maintenance, Remote Sensing and GIS in resource mapping.



Rinkesh Yadav

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Graduation: B.Sc Zoology Hons.

Interest: Genetics, Biotechnology and Wildlife

INDIAN STUDENT'S PROFILE (2017-19)



Oindrila Basu

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Graduation: B.Sc. Forestry (Four Years)

Interest: Research and Development, Sustainable Forest Management, Ecosystem & Bioscape management, Forest Certification, Forest Economics, Policy Formulation, Extension Forestry, Climate change, Watershed Management, Forest Conservation Networking.



Osamaphi Lyngdoh

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Graduation: B.Sc Forestry

Interest: Remote Sensing & GIS, Plantation Forestry, Wildlife Management, Eco-rehabilitation, Seed Technology and Plant Taxonomy



Parminder Singh

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Graduation: B.Sc Agriculture

Interest: Tree improvement, breeding and genetics, Agroforestry, Afforestation in arid and semi-arid areas.



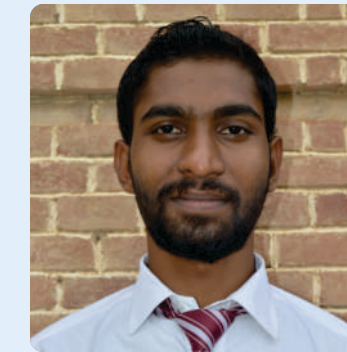
Sameer Turki

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Graduation: B.Sc.(hons.) Botany

Interest: Genetics



Sanjay H.L.

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Graduation: B.Sc. Agriculture

Interest: Farm Forestry, Urban gardening and landscaping, Social Forestry.



Shabnam Bandyopadhyay

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Graduation: B.Sc. Botany Honours

Interest: Climate Change, Ecology, Urban Forestry, Agroforestry and Pollution Control.

INDIAN STUDENT'S PROFILE (2017-19)



Simran Bhatt

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Graduation: B.Sc. Life Sciences

Interest: NTFP, Medicinal and
Aromatic Plants



Sinki Kumari

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Graduation: B.Sc Forestry

Interest: Forest Management,
Forest Ecology, Agroforestry and
Wildlife Management.



Sonam Rana

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Graduation: B.Sc. Agriculture

Interest: Agroforestry, Apiculture,
Ecology, Wildlife management,
Bio-diversity conservation,
Climate Change



Bharat Sharma

Country: Nepal

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Graduation: B.Sc Forestry

Interest: Wildlife Management,
Wildlife Genetics, Forest
Certification, Climate Change,
REDD+, Remote Sensing & GIS.



Hashmatullah

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Graduation: B.Sc Forestry

Interest: Plant taxonomy.



Nir Kumar Puri

Country: Bhutan

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Graduation: B.Sc Lifescience

Interest: Remote Sensing and GIS,
Research and Development,
Restoration and Conservation.

INDIAN STUDENT'S PROFILE (2017-19)



Swati Dagar

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Graduation: B.Sc.(Hons.) Botany

Interest: Sustainable Forest
Management and Conservation
Biology



Umang Agnihotri

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Graduation: B.Sc. Botany,
Geology, Zoology

Interest: Wildlife and Habitat
Management, Remote Sensing
and GIS.



Prakash Rai

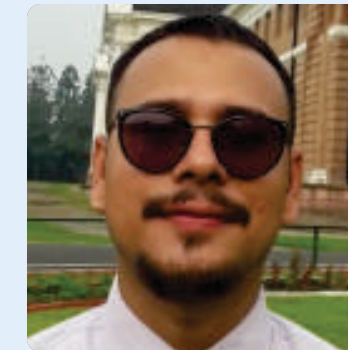
Country: Bhutan

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Graduation: B. Sc. Life Sciences

Area of Interest: Remote
Sensing and GIS, Species
Distribution Modelling.



Rajeev Joshi

Country: Nepal

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Graduation: B.Sc Forestry

Interest: Remote Sensing and GIS,
Climate Change, Wildlife
Management, Agroforestry.



Ramesh Chhetri

Country: Nepal

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Graduation: BSc in Botany

Interest: Climate change, Phenology
Changes, Watershed Management,
Environment conservation, Remote
sensing and GIS studies

SAARC STUDENT'S PROFILE (2017-19)



Saroj Raj Poudel

Country: Nepal
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Graduation: B.Sc. forestry
Interest: GIS, Climate Change, Wildlife, Genetics.



Shahidullah Amn

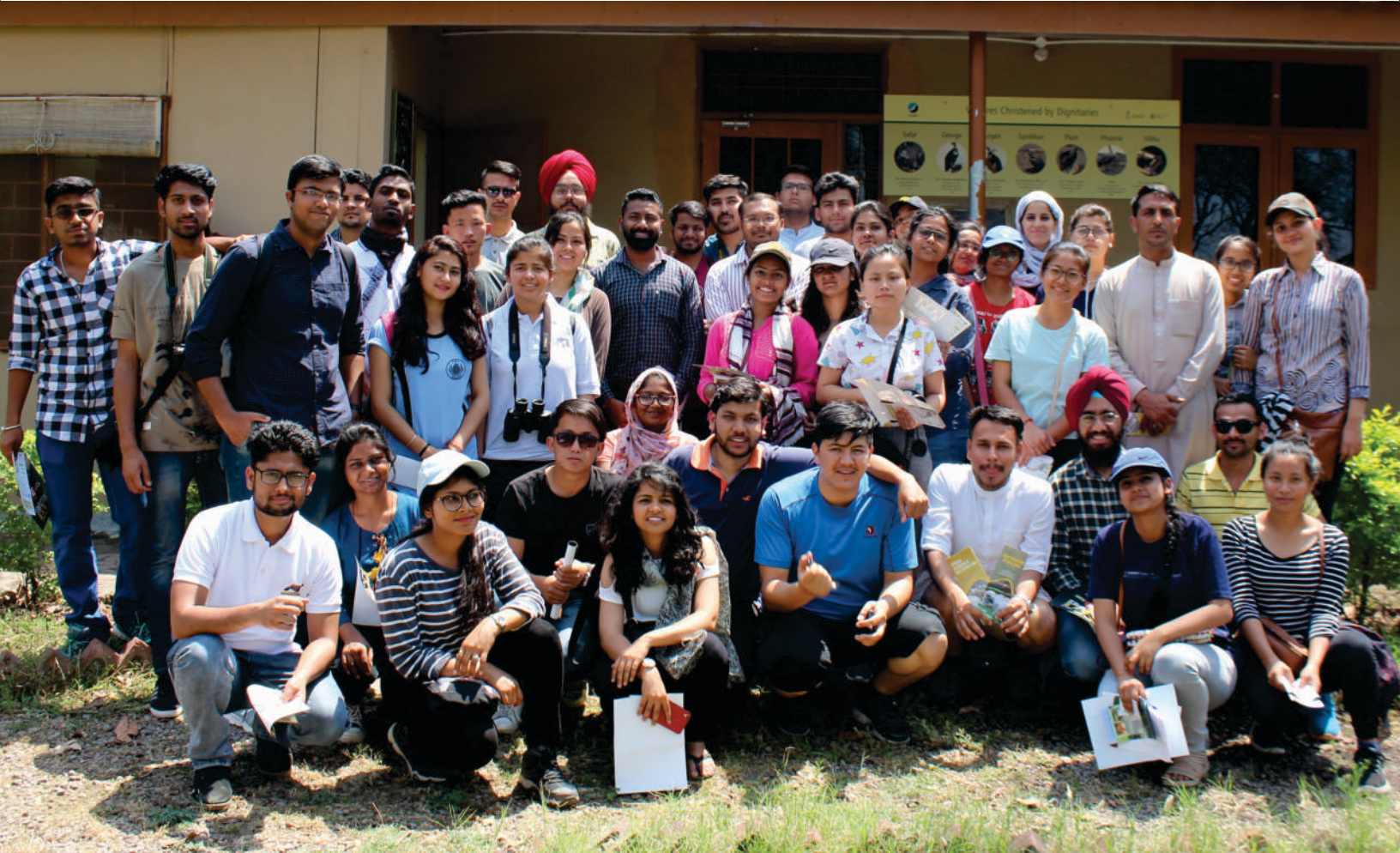
Country: Afghanistan
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Email: amnshahid@yahoo.com
Graduation: B.Sc Horticulture
Interest: Forest Management, Agroforestry, Remote Sensing & GIS



Wangchuk

Country: Bhutan
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Graduation:B. Sc. Lifescience
Interest: Conservation Biology and Ecological Studies

SAARC STUDENT'S PROFILE (2017-19)



PLACEMENT OPPORTUNITY DETAILS

Name of Organisation/Company: _____

Contact Person: _____

Designation: _____

Address for Communication: _____

Phone: _____

Fax: _____

Email: _____

Functional Area _____

Location _____

No. of Candidates Required _____

Gross Salary _____

Take Home _____

Other Perks _____

Job Description (in brief): _____

Tentative Date Of Visit to FRI Deemed to Be University: _____

No. of Persons Visiting for whom accommodation is required _____

Comments/Queries if any: _____

Date: _____

Signature

Place: _____

Name: _____

Designation: _____