# List of Projects and Host Institutions

| Name of Institution | Project Ref# | Discipline | Thematic Area | Project's Title | Preferred Educational Background of Students |
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| University of Agricultural Sciences, Dharwad<br><br>City: Dharwad<br>State: Karnataka | UAS-1 | Horticulture | Protected cultivation of Horticultural crops - Vegetables (Tomato & Lettuce) and Flowers ( Gerbera & Carnation) | - Hi-Tech Horticulture | Undergraduates with a scientific background or any other equivalents |
| University of Agricultural Sciences, Dharwad<br><br>City: Dharwad<br>State: Karnataka | UAS-1A | Textile and Apparel Designing | Heritage Textiles of India | Threads of Traditions: A tapestry of natural fibres, dyes, exquisites, woven textiles and embroideries of India. | Science, Arts and Designing background |
| University of Agricultural Sciences, Dharwad<br><br>City: Dharwad<br>State: Karnataka | UAS-1B | Agricultural Microbiology Agricultural Entomology Plant Pathology Agronomy | Organic and Natural Farming | Sustainable Agriculture through Organic and Natural Farming | Agricultural Sciences, Agricultural Engineering, Environmental Science, Agroecology, Organic Farming and Horticulture, Soil Science, Botany or Plant Science, Food Science, Sustainable Development, Ecology and Conservative Biology. |

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| University of Agricultural Sciences, Dharwad<br><br>City: Dharwad<br>State: Karnataka | UAS-1C | Food Processing and Technology | Traditional approaches towards food processing and technology | Traditional Food, Processing and Technology: A Modern Approach | Interest in learning Indian food processing and technology. |
| University of Agricultural Sciences, Dharwad<br><br>City: Dharwad<br>State: Karnataka | UAS-1D | Plant Breeding and Seed Science | Crop Improvement and Seed Science | Quality Seed Production and Supply Systems | Seed Science and Technology/Agricultural Science/ Plant Breeding and Genetics/Horticulture/Agronomy/Biotechnology/Soil Science/Crop Physiology/Business and Agri Economics/Supply Chain Management/ International Agricultural Development. |
| IIT Ropar<br><br>City: Rupnagar<br>State: Punjab | IIT-RR-2 | Materials Design | Thermal management of electronics | Designing novel therm.al interface materials for thermal management of electronics | It will be desirable that the candidate has strong knowledge about fundamentals of heat transfer and strength of materials. Knowledge about thermal management in electronics will be a plus but not mandatory. |
| IIT Ropar<br><br>City: Rupnagar<br>State: Punjab | IIT-RR-3 | Physics | Nanophotonics | Reconfigurable metasurface based Nanophotonics devices | Knowledge of Matlab/Python, FDTD or FEM.Basic knowledge of Electromagnetism/optics. |

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| IIT Ropar<br><br>City: Rupnagar<br>State: Punjab | IIT-RR-4 | Chemical Engineering | Wastewater Treatment | Treatment of wastewater containing emerging contaminants using advanced oxidation processes | Bachelors or Masters in chemical engineering, materials engineering, mechanical engineering, and civil engineering |
| Tamil Nadu Agricultural University (TNAU)<br><br>City: Coimbatore<br>State: Tamil Nadu | TNAU-5 | Agricultural Extension | Digital Agriculture and New Media Tools | Digital Media Innovation in Agricultural Education and Technology Dissemination | Agricultural and Allied Sciences / Social Sciences and Humanities / Rural Development |
| Tamil Nadu Agricultural University (TNAU)<br><br>City: Coimbatore<br>State: Tamil Nadu | TNAU-6 | Agricultural Biotechnology | Protected Agriculture | Hydroponics way of growing greens: Design development and Nutrient standardization | Students from agricultural and allied degree programs. |
| Tamil Nadu Agricultural University (TNAU)<br><br>City: Coimbatore<br>State: Tamil Nadu | TNAU-7 | Agricultural Economics | Agricultural Marketing and Trade | Analysis of India-Canada Agricultural Trade | Students from agricultural and allied degree programs. |
| Tamil Nadu Agricultural University (TNAU)<br><br>City: Coimbatore<br>State: Tamil Nadu | TNAU-8 | Environmental Sciences | Biological Treatment of Industrial Wastewater | Nature-based treatment for the removal of pollutants in industrial wastewater | Any Life Sciences - Agriculture/ Horticulture/ Environmental Sciences |

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| Tamil Nadu Agricultural University (TNAU)<br><br>City: Coimbatore<br>State: Tamil Nadu | TNAU-9 | Agriculture | Climate Resilient Agriculture | Developing Atlas of Climate Adaptation for Tamil Nadu Agriculture at a granular scale | Undergraduate students in 3rd / Final year in Agriculture and allied sector |
| Tamil Nadu Agricultural University (TNAU)<br><br>City: Coimbatore<br>State: Tamil Nadu | TNAU-10 | Nanotechnology | Nanotechnology | Biomass-derived multifunctional Nano biochar for water purification. | Interns should be of Under Graduate/Post Graduate level (Agriculture/ Environmental Science/Science and related subjects |
| Tamil Nadu Agricultural University (TNAU)<br><br>City: Coimbatore<br>State: Tamil Nadu | TNAU-11 | Agriculture/Horticulture/Agri. Biotechnology | Regenerative Agriculture | Microbiome assessment in various agroecosystems under regenerative agriculture | Life Sciences |
| Tamil Nadu Agricultural University (TNAU)<br><br>City: Coimbatore<br>State: Tamil Nadu | TNAU-12 | Plant Pathology | Biocontrol Bacterial Antagonist | Exploring the antagonistic effect of Rhizosphere microflora against soil-borne pathogens in oilseeds | Biological control, Horticulture pathology, Molecular basis of induced resistance |
| Tamil Nadu Agricultural University (TNAU)<br><br>City: Coimbatore<br>State: Tamil Nadu | TNAU-13 | Post Harvest Technology | Food systems for planetary boundaries | Capturing the traditional millet consumption knowledge of the Tamil Society and | Basic knowledge and courses on Agriculture and Food systems |

| | | | | its nutritional validation | |
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| Tamil Nadu Agricultural University (TNAU)<br><br>City: Coimbatore<br>State: Tamil Nadu | TNAU-14 | Post Harvest Technology | Food safety and preservation | Carbon quantum dots in smart packaging of fresh cut vegetables and fruits | Basic knowledge and courses on agriculture and food systems |
| Tamil Nadu Agricultural University (TNAU)<br><br>City: Coimbatore<br>State: Tamil Nadu | TNAU-15 | Agronomy | Smart Agriculture | IoT techniques for smart irrigation management in agriculture | Scholars with B.S. (Agriculture) or B.Sc. (Agriculture). |
| Tamil Nadu Agricultural University (TNAU)<br><br>City: Coimbatore<br>State: Tamil Nadu | TNAU-16 | Remote Sensing and GIS | Remote Sensing Applications in Agriculture | Crop type mapping and acreage estimation using a remote sensing approach | Scholars with B.S. (Agriculture) or B.Sc. (Agriculture). |
| Tamil Nadu Agricultural University (TNAU)<br><br>City: Coimbatore<br>State: Tamil Nadu | TNAU-17 | Agricultural Science- Seed Science and Technology | Organic Seed Coating Formulation for Sustainable Food Security | Biopolymer consortium development for Enhancing germination and vigour of crop seeds under stress condition | Any Life sciences - Agriculture/ horticulture/ Forestry |
| Tamil Nadu Agricultural University (TNAU) | TNAU-18 | Soil Science and Agricultural Chemistry | Soil Health | Soil fertility mapping of | The scholars with B.S (Agriculture)/ B.Sc. (Agriculture) |

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| City: Coimbatore<br>State: Tamil Nadu | | | | selected areas in TNAU | |
| Tamil Nadu Agricultural University (TNAU)<br><br>City: Coimbatore<br>State: Tamil Nadu | TNAU-19 | Agricultural Microbiology | Habitat adopted plant probiotic for pulses | Habitat adopted phylloplane probiotic Methylobacterium for improving the vigour and growth of pulses | Agriculture and Allied Subjects. |
| Tamil Nadu Agricultural University (TNAU)<br><br>City: Coimbatore<br>State: Tamil Nadu | TNAU-20 | Agricultural Entomology | Toxicology | Dermal Exposure Assessment of Insecticides to Field Workers in Corn Ecosystem | Agriculture and Allied Subjects. |
| IIT Roorkee<br><br>City: Roorkee<br>State: Uttarakhand | IIT-RK-21 | Climate, Hydrology | Arctic Sea Ice Dynamics, Climate Modelling, Indian Summer Monsoon Rainfall, Data Science | Arctic Sea Ice Response to Land Precipitation Using Emerging data-science Techniques | Civil Engineering/ Water Resource Engineering/ Atmospheric Sciences/ Hydrology/ Environmental Engineering/ Earth Sciences/ Hydro climatology |
| IIT Roorkee<br><br>City: Roorkee<br>State: Uttarakhand | IIT-RK-22 | Climate teleconnections, multiscale analysis, Climate modelling | Atmospheric Science, Climatology | Unravelling Multiscale association of India-Arctic teleconnections | Atmospheric Sciences/ Environmental Engineering/ Remote Sensing and Earth Observation/ Hydro climatology/Geography and Geospatial Analysis/Interdisciplinary Studies |

| IIT Roorkee<br><br>City: Roorkee<br>State: Uttarakhand | IIT-RK-23 | Social Science | Experimental Psychology | Effect of Threat Proximity in Learning Fear Response Using Virtual Reality | UG in psychology or related discipline |
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| IIT Roorkee<br><br>City: Roorkee<br>State: Uttarakhand | IIT-RK-24 | Mechanical Engineering | Energy | Understanding Degradation in Li+ Batteries | Mechanical or Chemical Engi<br><br>neering |
| IIT Roorkee<br><br>City: Roorkee<br>State: Uttarakhand | IIT-RK-24A | Architecture and Design | Rural Development, Community Resilience | Empowering Himalayan Communities: Strategies for Sustainable Development in Himalayan Villages | Architecture, Design, Geography, Social Sciences, Traditional Knowledge Systems, Interior Design, Craft, Ethnography and similar areas |
| Institute for Development and Communication (IDC)<br><br>Union Territory: Chandigarh | IDC-25 | Social Sciences and Humanities Governance Studies Public Policy | Criminal Justice System | Mapping Criminal Justice Delivery - Towards Developing an Index | Social Sciences and Humanities/ Governance Studies/ Public Policy |
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| Institute for Development and Communication (IDC)<br><br>Union Territory: Chandigarh | IDC-26 | Social Sciences and Humanities Gender Studies Women Studies Public Policy | Gender studies | Exploring Alternate Dispute Resolution (ADR) Mechanism: A Case Study of | Social Sciences and Humanities/ Sociology/ Gender Studies/ Women Studies/ Public Policy/Police Studies |

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| | | Police Studies | | Community Policing Centres (Saanjh and Samavesh Kendras) | |
| [Institute for Development and Communication (IDC)](#)<br><br>Union Territory: [Chandigarh](#) | [IDC-27](#) | Social Sciences and Humanities<br>Public Administration<br>Public Policy<br>Governance Studies | Good governance | Citizen-Centric Governance in Post-Colonial Societies | Social Sciences and Humanities/ Public Administration/ Public Policy/ Governance Studies |
| [Institute for Development and Communication (IDC)](#)<br><br>Union Territory: [Chandigarh](#) | [IDC-28](#) | Environment Studies<br>Social Sciences and Humanities<br>Political Science<br>Public Policy<br>Development Studies<br>Waste Management | Climate Change | Action Plan to Combat Challenges of Climate Change and its Impact | Environment Studies/ Social Sciences and Humanities/ Political Science/ Public Policy/ Development Studies/ Waste Management |
| [Institute for Development and Communication (IDC)](#)<br><br>Union Territory: [Chandigarh](#) | [IDC-29](#) | Information & Technology<br>Computer Science<br>Management | Energy (IT Service) | Technology-Driven Application of Ideas in the Energy Service Industry<br><br>(For: Open Access Technology International-OATI Inc.; India Office- | Information & Technology/ Computer Science/ Management |

| | | | | Industrial Area, SAS Nagar Mohali, Punjab) | |
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| Institute for Development and Communication (IDC)<br><br>Union Territory: Chandigarh | IDC-30 | Management<br>Environment Studies<br>Innovation and Research & Development | Packaging Industry | Innovations in Packaging Films: Finding Sustainable Solutions (Toppan Speciality Films-TSF Pvt. Ltd.) | Management/ Environment Studies/ Innovation and Research & Development |
| Institute for Development and Communication (IDC)<br><br>Union Territory: Chandigarh | IDC-31 | Management<br>Sales and Marketing<br>Social Sciences and Humanities | Fast Moving Consumer Goods (FMCG) | Designing Marketing Strategies in the Fast Moving Consumer Goods (FMCG) Industry<br><br>(For: Pladis Global-McVities Biscuits, Industrial Area- Baddi, Himachal Pradesh) | Management/ Sales and Marketing/ Social Sciences and Humanities |
| Institute for Development and Communication (IDC)<br><br>Union Territory: Chandigarh | IDC-32 | Agriculture<br>Food Processing<br>Public Policy<br>Economics | Agriculture and Food Processing | Trends in the Agro-Processing Industry in Punjab | Agriculture<br>Food Processing<br>Public Policy<br>Economics |
| Institute for Development and Communication (IDC) | IDC-32A | Information and Technology | Information and Technology | Application of Artificial Intelligence & | Information and Technology, Computer Science, AL and ML, |

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| Union Territory: Chandigarh | | Computer Science Data Science | | Machine Learning, and Data Science | Data Science |
| Institute for Development and Communication (IDC)<br><br>Union Territory: Chandigarh | IDC-32B | Social Sciences and Humanities Liberal Studies Governance Studies Public Policy Police Studies Business Management | Research Methodology | Visit and Evaluate: School, Police Station and Industry | Social Sciences and Humanities Liberal Studies Governance Studies Public Policy Police Studies Business Management |
| Chitkara University<br><br>Union Territory: Chandigarh | CKU-33 | Computer Science | Assistech | Sign Sense-Platform to support Deaf and Hard of Hearing in communication | Computer Science, Digital Marketing, Data Analytics, Designing |
| Chitkara University<br><br>Union Territory: Chandigarh | CKU-34 | Computer Science | Livelihood and Art | KalaCoach: A platform to support local artisans. | Computer Science, Digital Marketing, Data Analytics, Designing |
| Chitkara University<br><br>Union Territory: Chandigarh | CKU-35 | Computer Science | Retail & SAAS | Sellebration: A platform that provides business insights to small businesses by collecting reviews from customers and verifying it through AI/ML/ | Computer Science, Data Analysis, Digital Marketing, Graphics Designing |

| Chitkara University Union Territory: Chandigarh | CKU-36 | Computer Science | Health Care | Aidwave : Platform connecting patients to hospitals, NGO's, Bloodbanks and Ambulances & Donors. | Computer Science, Data Analysis, Digital Marketing, Graphics Designing |
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| Chitkara University Union Territory: Chandigarh | CKU-37 | Fintech | Health Care | Medofin : Platform to book Doctor Appointments, Diagnotics tests and Medicine Delivery with a Specific focus on Health Insurance Recommendations using AI/ML. | Computer Science, Data Analysis, Digital Marketing, Graphics Designing |
| Chitkara University Union Territory: Chandigarh | CKU-38 | Computer Science | Health Care | MedBridge: A Platform where Users can consult Medical Students & Chemists for free and chemists can sell medicines. Pharma Companies can leverage people for clinical trials.. | Computer Science, Data Analysis, Digital Marketing, Graphics Designing |
| MNIT Jaipur City: Jaipur State: Rajasthan | MNIT-39 | Industrial Engineering and Operations Management | Supply Chain Analytics | Modelling Digital Twin Adoption Challenges | Operations Management/ Industrial Engineering/ Mechanical Engineering |

| | | | | for Risk Management in Textile Supply Chain in India | |
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| MNIT Jaipur<br><br>City: Jaipur<br>State: Rajasthan | MNIT-40 | Metallurgical and or Materials Engineering | Metallurgical & Materials Engineering/ Corrosion/ Materials Science/ Composite Materials, Mechanical Engineering, Environmental Engineering | Study of effect of post-curing heat treatment of epoxy-based polymer matrix composite coating on the corrosion resistance of mild steel | Metallurgical and/ or Materials Engineering, Mechanical engineering, Physics, Chemistry, Chemical Engineering, Environmental Engineering |
| MNIT Jaipur<br><br>City: Jaipur<br>State: Rajasthan | MNIT-41 | Metallurgical and or Materials Engineering | Metallurgical & Materials Engineering/ Corrosion/ Materials Science/ Composite Materials, Mechanical Engineering, Environmental Engineering | Study of effect of the particle size of reinforcement on the corrosion resistance of mild steel coated with epoxy- based polymer matrix composite | Metallurgical and/ or Materials Engineering, Mechanical engineering, Physics, Chemistry, Chemical Engineering, Environmental Engineering |
| MNIT Jaipur<br><br>City: Jaipur<br>State: Rajasthan | MNIT-42 | Electronics and Communication | Nature Inspired Optimization | Nature Inspired Multi-objective Optimization | Electronics and Communication Engineering, Telecommunication Engineering, |

| | | Engineering, Telecommunication Engineering, Computer Science and Engineering, Information Technology, Electrical Engineering | | Algorithms for solving Engineering Problems | Computer Science and Engineering, Information Technology, Electrical Engineering |
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| MNIT Jaipur<br><br>City: Jaipur<br>State: Rajasthan | MNIT-43 | Humanities and Social Science | Indian Society, Literature and Culture | Exploring the cultural tapestry of India: An immersive journey | Humanities and Social Sciences and allied areas |
| Christ University<br><br>City: Bengaluru (Bangalore)<br>State: Karnataka | CHU-44 | Arts and Humanities | Bharatanatyam (One of the 8 Classical dance forms of India) | Bharatanatyam: Exploring Indigenous Elegance and Cultural Significance of the Art form | Arts and Humanities (students who are inclined toward the Performing Arts field) |
| Christ University<br><br>City: Bengaluru (Bangalore)<br>State: Karnataka | CHU-45 | Social Sciences | Food Security | South Indian Recipes for Lactating Mothers & Infants: Climate-Adaptive Nutritional Practices in | Social Science students / Hotel Management Students |

| | | | | Changing Environments | |
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| [Christy University](#)<br><br>City: [Bengaluru (Bangalore)](#)<br>State: Karnataka | [CHU-46](#) | Social Sciences | Environmental Communications | Yakshagana: Harmonizing Tradition and Adaptation Through Cultural Articulation. | Social Sciences/ Communications Students |
| [Christ University](#)<br><br>City: [Bengaluru (Bangalore)](#)<br>State: Karnataka | [CHU-47](#) | Dance Movement Therapy | Dance as a way to discover the self | The Vital Energy of a Dancing Body | No need for specific qualification |
| [Christ University](#)<br><br>City: [Bengaluru (Bangalore)](#)<br>State: Karnataka | [CHU-48](#) | Marketing | Digital Marketing | Social Media Marketing for an Identified Client | Management/ Marketing students |
| [Christ University](#)<br><br>City: [Bengaluru (Bangalore)](#)<br>State: Karnataka | [CHU-49](#) | Management/Economics | Digital Marketing | Behavioural Economics, Digital Marketing and Ethics | Social Sciences and Humanities/ Governance Studies/ Public Policy/Management |
| [Christ University](#)<br><br>City: [Bengaluru (Bangalore)](#)<br>State: Karnataka | [CHU-50](#) | Hotel Management/Culinary Operations | Culinary Arts and Sciences | Hospitality familiarization with a special focus on Indian culinary arts and science | Social Sciences and Humanities/ Hospitality / Travel & Tourism |
| [Christ University](#) | [CHU-51](#) | Business Studies | Strategic Management | Design Thinking for Organizational Innovation | Business and Management Studies/ Engineering and pure sciences/ Social Sciences |

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| City: Bengaluru (Bangalore)<br>State: Karnataka | | | | | and Humanities/ Economics/ Strategy and corporate policies |
| Christ University<br><br>City: Bengaluru (Bangalore)<br>State: Karnataka | CHU-52 | Arts and Humanities | Yakshagana (Karnataka 's folk art form) | Yakshagana Unveiled: Tracing the Evolution of a Timeless Folk Art | Arts and Humanities (students who are inclined toward the Performing Arts field) |
| Christ University<br><br>City: Bengaluru (Bangalore)<br>State: Karnataka | CHU-53 | Economics | Health Care | Women Malnutrition: Role of Patriarchy and Society | Social Sciences and Humanities/ Governance Studies/ Public Policy |
| Christ University<br><br>City: Bengaluru (Bangalore)<br>State: Karnataka | CHU-54 | Law | Law, Gender, Equity Impacts and Inclusion Strategies | Seed Grant Project on gender, Diversity & Inclusion | Undergraduate students of any disciplines |
| Christ University<br><br>City: Bengaluru (Bangalore)<br>State: Karnataka | CHU-55 | Law | Law, Labour, Economics and Gender | ICSSR Funded project on unorganized labour in Karnataka | Undergraduate students of any discipline |