

3.2.1 Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the last five years (INR in Lakhs) (5)

Title of the Project	Name of Principal Investigator	Name of the Funding Agency	Type of funding agency(Government/Non-Government/International)	Department	Year of Award	Funds Received during the year (INR)	Duration( in Months)	Outlay/Total Grant Sanctioned (INR)	E-copies of sanction/award letter
A novel keyword extraction technique for data analysis	Dr. Fahd Saleh Alotaibi	King Abdulaziz University	International	University Institute of Engineering & Technology	2019	244000	24	244000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/6021062cea1ef9.41060270.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/6021062cea1ef9.41060270.pdf</a>
A novel keyword extraction technique for data analysis	Dr. Fahd Saleh Alotaibi	King Abdulaziz University	International	University Institute of Engineering & Technology	2019	0	24	244000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/6021062cea1ef9.41060270.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/6021062cea1ef9.41060270.pdf</a>
Abiotic Stresses and cool Season Food Legumes	Prof. Harsh Nayyar	University of Western Australia	International	Department of Botany	2017	462640	36	462640	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/3.2.2_19.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/3.2.2_19.pdf</a>
Abiotic Stresses and cool Season Food Legumes	Prof. Harsh Nayyar	University of Western Australia	International	Department of Botany	2017	0	36	462640	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/3.2.2_19.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/3.2.2_19.pdf</a>
Action Plan: Making Chandigarh a Safe and Violence free City for Women and Girls	Prof. Pam Rajput	British Deputy High Commission	International	Department of Ancient Indian History, Culture & Archaeology	2019	100000	3	100000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/62d0faff660de7.62612520.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/62d0faff660de7.62612520.pdf</a>
An Exploratory Study of Creativity amongst Peripheral Government School of Chandigarh	Prof Ramanjeet Johal	University of Cambridge U.K	International	University Institute of Fashion Technology & Vocational Development	2019	1000000	24	1000000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/62ea150edd51a0.14707625.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/62ea150edd51a0.14707625.pdf</a>
An Unsupervised language independent text stemmer for information retrieval	Dr. Fahd Saleh Alotaibi	king abdulaziz university saudi arabia	International	University Institute of Engineering & Technology	2019	244000	9	244000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/60210648b91117.10884531.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/60210648b91117.10884531.pdf</a>
Analytical method development for analysis of multidrug dermatological formulation	Professor Alka Bali	Industry Velite Healthcare, Ludhiana	Non-Government	University Institute of Pharmaceutical Sciences	2018	300000	24	300000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/62299148b1fc08.12689690.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/62299148b1fc08.12689690.pdf</a>
API and Intermediate Synthesis	Professor Ranju Bansal	Valence Labs	Non-Government	University Institute of Pharmaceutical Sciences	2021	0	60	11000000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/1661427316-63075e74bfab39.03320730.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/1661427316-63075e74bfab39.03320730.pdf</a>
Climate and Health Air Monitoring Project (CHAMP) in Chandigarh: Mobilizing Health Care Facilities for Air Pollution Monitoring and Communication of Clean Air for Better Health	Dr. Suman Mor	Health Care Without Harm, US	Non-Government	G&P	2019	2247000	36	2247000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/3.2.1_3.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/3.2.1_3.pdf</a>

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Corporate Social Responsibility-Fresenius Kabi Oncology Limited-Bioincubator-Panjab university (CSR-FKOL-BIPU)	Dr. Rohit Sharma (Project Leader)	Fresenius Kabi Oncology Limited Pvt. Ltd.	Non-Government	Department of Microbial Biotechnology	2017	2000000	24	3300000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/1681206157-64352b8d8bb208.86947860.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/1681206157-64352b8d8bb208.86947860.pdf</a>
Corporate Social Responsibility-Fresenius Kabi Oncology Limited-Bioincubator-Panjab university (CSR-FKOL-BIPU)	Dr. Rohit Sharma (Project Leader)	Fresenius Kabi Oncology Limited Pvt. Ltd.	Non-Government	Department of Microbial Biotechnology	2017	1300000	36	3300000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/1681206157-64352b8d8bb208.86947860.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/1681206157-64352b8d8bb208.86947860.pdf</a>
Corporate Social Responsibility-Fresenius Kabi Oncology Limited-Bioincubator-Panjab university (CSR-FKOL-BIPU)	Dr. Rohit Sharma (Project Leader)	Fresenius Kabi Oncology Limited Pvt. Ltd.	Non-Government	Department of Microbial Biotechnology	2019	1500000	12	1500000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/5f36636d246172.28412556.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/5f36636d246172.28412556.pdf</a>
Cost effective impedimetric immunosensor for the detection of metallothionein in blood serum	Prof. M.L. Garg	Fresenius Kabi Oncology Limited, BioNEST-Panjab University	Non-Government	Department of Biophysics	2019	57800	12	100000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/626a72f378e9a4.00626776.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/626a72f378e9a4.00626776.pdf</a>
Development of Diagnosis and prophylaxis of COVID-19 Infections	Dr. Rohit Sharma	Techinvention Lifecare Pvt. Ltd.,	Non-Government	Department of Microbial Biotechnology	2020	600000	12	600000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/3.2.1_9.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/3.2.1_9.pdf</a>
Developing novel 2-D structured nano-virucides for coating application	Gaurav Verma	NTU UK	International	Dr SS Bhatnagar University Institute of Chemical Engg. & Tech.	2021	1000000	18	1000000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/1661226231-63044cf7698dd7.42294335.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/1661226231-63044cf7698dd7.42294335.pdf</a>
Developing novel 2-D structured nano-virucides for coating application	Gaurav Verma	NTU UK	International	Dr SS Bhatnagar University Institute of Chemical Engg. & Tech.	2021	0	18	1000000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/1661226446-63044dce86a938.85894216.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/1661226446-63044dce86a938.85894216.pdf</a>
Development of an indigenous multi axia machine for machining of dental implants	Dr. Vivek Pahwa	esteem industries	<b>Non-Government</b>	University Institute of Engineering & Technology	2019	672640	48	2690560	
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Development of an indigenous multi axia machine for machining of dental implants	Dr. Vivek Pahwa	esteem industries	Non-Government	University Institute of Engineering & Technology	2019	672640	48	2690560	
Development of efficient photovoltaic (PV) solar power plant and concentrated solar power (CSP) plants for integrated electric vehicle charging station	Dr. Sanjeev Gautam	Electrowave Electronics Pvt Ltd	Non-Government	Dr SS Bhatnagar University Institute of Chemical Engg. & Tech.	2021	950000	60	3770000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/62dab52ef29cd6.71276489.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/62dab52ef29cd6.71276489.pdf</a>
Development of efficient photovoltaic (PV) solar power plant and concentrated solar power (CSP) plants for integrated electric vehicle charging station	Sanjeev Gautam	Electrowave Electronics Pvt Ltd	Non-Government	Dr SS Bhatnagar University Institute of Chemical Engg. & Tech.	2021	950000	60	3770000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/62dab52ef29cd6.71276489.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/62dab52ef29cd6.71276489.pdf</a>
Development, scale-up and commercialization of liposomal and non – liposomal supramolecular carrier based products	Professor O.P. Katare	IPCA Laboratories Pvt Ltd. Mumbai	Non-Government	University Institute of Pharmaceutical Sciences	2020	850000	12	850000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/6273a4f4f19079.86110100.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/6273a4f4f19079.86110100.pdf</a>
Environmental Exposure and Associated Health Risks in the Population Living near a Thermal Power Plant - Extension of Environmental Analysis	Dr. Suman Mor	Health Care Without Harm, US	Non-Government	G&P	2019	1242000	36	0	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/3.2.1_4.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/3.2.1_4.pdf</a>

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EVALUATION OF CETP PROCESSING PARAMETER TO UPGRADE THE PLANT FOR TREATMENT OF WASTEWATER FROM PHARMACEUTICAL AND PERSONAL CARE PRODUCTS	Prf. Ganga Ram Chaudhary	Baddi Infrastructure	Non-Government	Department of Chemistry	2021	1668992	4	3300000	
Exposure and associated health risks in pollution living near a thermal power plant	Dr Ravindra Khaiwal	Healthcare without Harm	International	Department of Environment Studies	2019	1242000	12	1242000	
Exposure and associated health risks in pollution living near a thermal power plant	Dr Ravindra Khaiwal	Healthcare without Harm	International	Department of Environment Studies	2019	1242000	12	1242000	
Exposure and associated health risks in pollution living near a thermal power plant	Dr Ravindra Khaiwal	Healthcare without Harm	International	Department of Environment Studies	2019	1242000	12	1242000	
Financial Assistance for Research and Innovation Activities	Professor O.P.Katare	IPCA Foundation	Non-Government	University Institute of Pharmaceutical Sciences	2022	704000	12	704000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/1661154206-6303339e101646.16364784.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/1661154206-6303339e101646.16364784.pdf</a>
Functionalization of Boron-dipyromethene using multistep strategies for the development of fluorescent nanoprobe for latent fingerprint detection in forensic science	Dr Vishal Sharma	Department of Alumni Relations, Panjab University, Chandigarh-160014	Non-Government	Department of Chemistry	2018	125000	12	125000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/61d729957e0d75.48741633.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/61d729957e0d75.48741633.pdf</a>
HERITAGE STONES RECOGNITION: A STEP FORWARD (HerSTONES)	Paola Marini	UNESCO IGCP	International	Department of Geology	2020	520000	48	520000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/6101352d876794.08516667.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/6101352d876794.08516667.pdf</a>
HERITAGE STONES RECOGNITION: A STEP FORWARD (HerSTONES)	Paola Marini	UNESCO IGCP	International	Department of Geology	2020	520000	48	520000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/6101352d876794.08516667.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/6101352d876794.08516667.pdf</a>
Impact of Research and Development Expenditure on Firm's Profitability: Evidence from Indian Pharmaceutical Companies	Dr. Nishi Sharma	Foundation for Scientific Research and Technological Innovation, Hyderabad	Non-Government	University Institute of Applied Management Sciences	2019	100000	24	200000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/6220464d81e453.30573155.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/6220464d81e453.30573155.pdf</a>

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Impact of Research and Development Expenditure on Firm's Profitability: Evidence from Indian Pharmaceutical Companies	Dr. Nishi Sharma	Foundation for Scientific Research and Technological Innovation, Hyderabad	Non-Government	University Institute of Applied Management Sciences	2019	100000	24	200000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/6220464d81e453.30573155.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/6220464d81e453.30573155.pdf</a>
Impact of Research and Development Expenditure on Firm's Profitability: Evidence from Indian Pharmaceutical Companies	Dr. Nishi Sharma	Foundation for Scientific Research and Technological Innovation, Hyderabad	Non-Government	University Institute of Applied Management Sciences	2019	100000	24	200000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/6220464d81e453.30573155.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/6220464d81e453.30573155.pdf</a>
Improving adaptation strategies for climate extremes and air pollution affecting India	Dr. Suman Mor	Natural Environment Research Council, University of Hertfordshire, Swindon	Non-Government	G&P	2020	19234532	6	0	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/3.2.1_2.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/3.2.1_2.pdf</a>
International Collaborative Research: A Chronology and Ecological Context of Primate and Mammalian Evolution	Chris Gilbert	NSF	International	Department of Geology	2020	100	36	168	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/5f3bc461dd1ce6.87962520.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/5f3bc461dd1ce6.87962520.pdf</a>
International Collaborative Research: A Chronology and Ecological Context of Primate and Mammalian Evolution	Chris Gilbert	NSF	International	Department of Geology	2020	100	36	168	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/5f3bc461dd1ce6.87962520.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/5f3bc461dd1ce6.87962520.pdf</a>
International Collaborative Research: A Chronology and Ecological Context of Primate and Mammalian Evolution	Chris Gilbert	NSF	International	Department of Geology	2020	100	36	168	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/5f3bc461dd1ce6.87962520.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/5f3bc461dd1ce6.87962520.pdf</a>
Investigating the ferrite multilayers for GMR/TMR sensor application	Sanjeev Gautam	Ms. Cine-City Photo Equipments Private Ltd.	Non-Government	Department of Physics	2021	1470000	24	1470000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/62dba397386cc7.46719516.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/62dba397386cc7.46719516.pdf</a>
Machine learning based sentiment analysis for multiple domains 2 years	Dr. Fahd Saleh Alotaibi	king abdulaziz university saudi arabia	International	University Institute of Engineering & Technology	2018	244500	24	489000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/6021066d934103.45101473.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/6021066d934103.45101473.pdf</a>
Machine learning based sentiment analysis for multiple domains 2 years	Dr. Fahd Saleh Alotaibi	king abdulaziz university saudi arabia	International	University Institute of Engineering & Technology	2018	244500	24	489000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/6021066d934103.45101473.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/6021066d934103.45101473.pdf</a>

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Machine learning based sentiment analysis for multiple domains 2 years	Dr. Fahd Saleh Alotaibi	king abdulaziz university saudi arabia	International	University Institute of Engineering & Technology	2018	244500	24	489000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/6021066d934103.45101473.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/6021066d934103.45101473.pdf</a>
Machine Learning based Sentiment Analysis System for Multiple Domains	Dr. Fahd Saleh Alotaibi	king abdulaziz university saudi arabia	International	University Institute of Engineering & Technology	2018	500000	24	500000	
Machine Learning based Sentiment Analysis System for Multiple Domains	Dr. Fahd Saleh Alotaibi	king abdulaziz university saudi arabia	International	University Institute of Engineering & Technology	2018	500000	24	500000	
Magnetic Organic Framework (MOF) loaded functionalized cellulose sponge as an ecological and versatile tool for environmental applications: A step towards biomass valorisation	Prof. Anupama Sharma	DST International Division (Indo-Austria)	International	Dr SS Bhatnagar University Institute of Chemical Engg. & Tech.	2021	350500	24	701000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/62fb7364de2562.04577488.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/62fb7364de2562.04577488.pdf</a>
Magnetic Organic Framework (MOF) loaded functionalized cellulose sponge as an ecological and versatile tool for environmental applications: A step towards biomass valorisation	Prof. Anupama Sharma	DST International Division (Indo-Austria)	International	Dr SS Bhatnagar University Institute of Chemical Engg. & Tech.	2021	700000	24	701000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/62fb6b8637c6b8.94639236.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/62fb6b8637c6b8.94639236.pdf</a>
Mapping and paleoseismology of unknown active faults in Jammu and Kashmir, NW Himalaya	A.A. Shah	National Geographic Society	Non-Government	Department of Geology	2017	0	1	1520000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/6220bf73e9ad24.10183168.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/6220bf73e9ad24.10183168.pdf</a>
Mapping and paleoseismology of unknown active faults in Jammu and Kashmir, NW Himalaya	A.A. Shah	National Geographic Society	Non-Government	Department of Geology	2017	0	1	1520000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/6220bf73e9ad24.10183168.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/6220bf73e9ad24.10183168.pdf</a>
Mobilizing Health Care facilities for air pollution monitoring and communicators of clean air for better health	Dr Suman Mor	Healthcare without Harm, USA	International	Department of Environment Studies	2019	2247000	36	2247000	

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Mobilizing Health Care facilities for air pollution monitoring and communicators of clean air for better health	Dr Suman Mor	Healthcare without Harm, USA	International	Department of Environment Studies	2019	2247000	36	2247000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/1661784001-630ccfc15f2b78.14467637.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/1661784001-630ccfc15f2b78.14467637.pdf</a>
Mobilizing Health Care facilities for air pollution monitoring and communicators of clean air for better health	Dr Suman Mor	Healthcare without Harm, USA	International	Department of Environment Studies	2019	2247000	36	2247000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/1661784062-630ccfea700e4.02626021.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/1661784062-630ccfea700e4.02626021.pdf</a>
Nvidia GPU Grant	Dr.Akashdeep	Nvidiacorp Ltd	<b>Non-Government</b>	University Institute of Engineering & Technology	2018	125000	12	125000	
Nvidia GPU Grant	Dr.Akashdeep	Nvidiacorp Ltd	<b>Non-Government</b>	University Institute of Engineering & Technology	2018	125000	12	125000	
Nvidia GPU Grant	Dr.Akashdeep	Nvidiacorp Ltd	<b>Non-Government</b>	University Institute of Engineering & Technology	2018	125000	12	125000	
Nvidia GPU Grant	Dr.Akashdeep	Nvidiacorp Ltd	<b>Non-Government</b>	University Institute of Engineering & Technology	2018	125000	12	125000	
Predicting twitter news trend analysis using deep learning	Dr. Fahd Saleh Alotaibi	King Abdulaziz University	Non-Government	University Institute of Engineering & Technology	2019	244500	24	489000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/602106ac420983.27092651.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/602106ac420983.27092651.pdf</a>
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Predicting twitter news trend analysis using deep learning	Dr. Fahd Saleh Alotaibi	King Abdulaziz University	Non-Government	University Institute of Engineering & Technology	2019	244500	24	489000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/602106ac420983.27092651.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/602106ac420983.27092651.pdf</a>
Predicting Twitter News Trends using Deep Learning	Dr. Vishal Gupta	Ministry of Education, King Abdulaziz University, Kingdom of Saudi Arabia	Non-Government	G&P	2019	533680	48	0	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/3.2.1_6.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/3.2.1_6.pdf</a>

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Production of purification of capsular polysaccharides from various serotypes at laboratory fermentation scale	Dr. Rohit Sharma	M/S Bio-Bridge Healthcare Solutions Pvt Ltd	Non-Government	G&P	2020	585540	12	650600	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/3.2.1_13.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/3.2.1_13.pdf</a>
Project TIGR2ESS	Prof. Raman Johal	University of Cambridge	International	University Institute of Fashion Technology & Vocational Development	2020	0	18	0	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/62ea5060644743.33599091.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/62ea5060644743.33599091.pdf</a>
Project TIGR2ESS	Prof. Raman Johal	University of Cambridge	International	University Institute of Fashion Technology & Vocational Development	2020	0	18	0	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/62ea5060644743.33599091.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/62ea5060644743.33599091.pdf</a>
Protein Purification of Algae	Dr. Rohit Sharma	M/s Relinace Industries Limited	Non-Government	G&P	2020	1047840	12	3776000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/3.2.1_12.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/3.2.1_12.pdf</a>
Prototyping of a next-generation enhanced vaccine technology	Dr. Deepak B. Salunke	ATSE	International	Department of Chemistry	2015	2709000	12	2709000	
Prototyping of a next-generation enhanced vaccine technology	Dr. Deepak B. Salunke	ATSE	International	Department of Chemistry	2019	2709000	12	2709000	
Revising of the API for Improved formulation	Professor Renu Chadha	Allkind Health Care Unit 111,Baddi	Non-Government	University Institute of Pharmaceutical Sciences	2018	176000	12	176000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/6239563946bc00.55807546.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/6239563946bc00.55807546.pdf</a>
Robust Automatic Segregation of Defective Fasteners in Industries using Deep Learning	Prof. Renu Vig, Professor (ECE), UIET, Panjab University	NTU-PU Partnership	Non-Government	University Institute of Engineering & Technology	2021	304180	15	1012242	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/1661157090-63033ee26458c0.28586092.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/1661157090-63033ee26458c0.28586092.pdf</a>
Robust Automatic Segregation of Defective Fasteners in Industries using Deep Learning	Prof. Renu Vig, Professor (ECE), UIET, Panjab University	NTU-PU Partnership	Non-Government	University Institute of Engineering & Technology	2021	304180	15	1012242	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/61441a5c708469.29663998.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/61441a5c708469.29663998.pdf</a>
SEED FUND to assit the start ups in life sciences in and around the region of North India under CSR intiatives	Dr. Rohit Sharma	CSR-Fresenius Kabi Oncology Ltd.	Non-Government	G&P	2020	2000000	24	10000000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/3.2.1_8.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/3.2.1_8.pdf</a>



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Seed Money to Initiate Collaborative Research with Central University of Technology Bloemfontein, South Africa	Dr. Deepak B. Salunke	Central University of Technology(CUT)	International	Department of Chemistry	2019	261000	12	261000	
Smart Mechatronic Artificial Respiratory Therapy System	XXX	BIRAC	Non-Government	University Institute of Engineering & Technology	2020	0	12	2927000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/60238205bc1f57.51546968.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/60238205bc1f57.51546968.pdf</a>
Special Topics on Asian Community: Legal, Environmental, Political and Socio-cultural	Dr. Vaishali Thakur	One Asia Foundation	International	P.U. Regional Centre, Ludhiana	2020	1850000	12	1850000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/62fe11831c60d0.09398941.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/62fe11831c60d0.09398941.pdf</a>
Special Topics on Asian Community: Legal, Environmental, Political and Socio-cultural	Dr. Vaishali Thakur	One Asia Foundation	International	P.U. Regional Centre, Ludhiana	2020	1850000	12	1850000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/60e3dd117855b2.14054662.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/60e3dd117855b2.14054662.pdf</a>
State market and Universalization of Elementary Education in Punjab	Dr Angrej Singh Gill	Azim Premji University	Non-Government	P.U. Rural Centre, Kauni, Muktsar	2019	342797	30	987800	
State Market and Universalization of Elementary Education in Punjab	Dr Angrej Singh Gill	Azim Premji University	Non-Government	P.U. Rural Centre, Kauni, Muktsar	2019	58921	30	987800	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/62ed42bf926aa0.18481676.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/62ed42bf926aa0.18481676.pdf</a>
State, Market and Universalization of Elementary Education in Punjab	Dr. Angrej Singh Gill	Azim Premji University	Non-Government	P.U. Rural Centre, Kauni, Muktsar			9	36	9
State, Market and Universalization of Elementary Education in Punjab	Dr Angrej Singh Gill	Azim Premji University	Non-Government	P.U. Rural Centre, Kauni, Muktsar	2019	335297	30	987800	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/62ed3f3d185696.21820670.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/62ed3f3d185696.21820670.pdf</a>
Study and Documentation of Research Standards for Train Collision Avoidance System (TCAS)	Dr. Harish Kumar	M/s Electrowaves Electronics (P) Ltd	Non-Government	University Institute of Engineering & Technology	2021	546000	12	546000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/1675163041-63d8f5a1ba8889.45413225.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/1675163041-63d8f5a1ba8889.45413225.pdf</a>

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STUDY OF TECHNOLOGY TRANSFER CENTRES TO INCREASE COMMERCIALIZATION OF INNOVATION	Prof. Kashmir Singh	United Nations Industrial Development Organization (UNIDO), UN-India.	International	Centre for Policy Research	2022	2843699	6	2843699	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/1666941544-635b8268466135.35287889.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/1666941544-635b8268466135.35287889.pdf</a>
TEQIP-III	Prof. Amrit Pal Toor	WORLD BANK	International	Dr SS Bhatnagar University Institute of Chemical Engg. & Tech.	2017	70000000	45	1300000	
TEQIP-III	Prof. Amrit Pal Toor	WORLD BANK	International	Dr SS Bhatnagar University Institute of Chemical Engg. & Tech.	2017	70000000	45	1300000	
TEQIP-III	Prof. Amrit Pal Toor	WORLD BANK	International	Dr SS Bhatnagar University Institute of Chemical Engg. & Tech.	2017	70000000	45	1300000	
TIGR2ESS	Prashant Kumar Gautam	University of Cambridge, UK	International	University Institute of Hotel and Tourism Management	2019	0	36	1000000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/5f3a36a9db7029.79043516.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/5f3a36a9db7029.79043516.pdf</a>
TIGR2ESS	Prashant Kumar Gautam	University of Cambridge, UK	International	University Institute of Hotel and Tourism Management	2019	250000	36	1000000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/62c284e307fbf1.59447775.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/62c284e307fbf1.59447775.pdf</a>
TIGR2ESS	Prashant Kumar Gautam	University of Cambridge, UK	International	University Institute of Hotel and Tourism Management	2019	1000000	36	1000000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/1661091758-63023faed1f911.62327497.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/1661091758-63023faed1f911.62327497.pdf</a>
To incubate two technologies (1. Development of Rnase/Dnase free cartridge for ultra pure water purification system 2. On line TOC Monitor for Ultrapure/purified /Process water)	Dr. Rohit Sharma	M/s Bio-Age Equipment & Services	Non-Government	G&P	2018	237500	24	0	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/3.2.1_11.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/3.2.1_11.pdf</a>
Transcriptomics to Study the Role of Puerarin in Mitochondrial Dysfunction in Murine Model of Lupus	Prof. Archana Bhatnagar	Nottingham Trent University, UK	International	Department of Biochemistry	2021	326000	12	1015148	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/6128836f590e73.91013380.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/6128836f590e73.91013380.pdf</a>

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Transcriptomics to Study the Role of Puerarin in Mitochondrial Dysfunction in Murine Model of Lupus	Prof. Archana Bhatnagar	Nottingham Trent University, UK	International	Department of Biochemistry	2021	326000	12	1015148	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/6128836f590e73.91013380.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/6128836f590e73.91013380.pdf</a>
Transforming India's Green Revolution by Research and Empowerment for Sustainable Food Supplies	Prof. Howard Griffiths, University of Cambridge, UK	Research Council UK under the Global Challenges Research Fund (GCRF)	Non-Government	Department of Public Administration	2017	0	48	14300000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/62d79ecd5542c1.06718379.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/62d79ecd5542c1.06718379.pdf</a>
Transforming India's Green Revolution by Research and Empowerment for Sustainable Food Supplies	Prof. Ramanjit Kaur Johal	Global Challenges Research Fund Award (UK)	International	University Business School	2019	5192275	30	15576826	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/6263c534514de5.65919157.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/6263c534514de5.65919157.pdf</a>
Transforming India's Green Revaluation by Research and Empowerment for Sustainable Foods Supply: A Global Challenges Research Fund Project (TIGR2ESS)	Prof. Ramanjit Johal Prof. Howard Griffiths, Cambridge University	Research Council UK GCRF/BBSRC TIGR2ESS funding (BB/P027970/1)	International	School of Communication Studies	2018	1894226	54	8524017	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/1665136992-633ff960a4ec03.40801112.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/1665136992-633ff960a4ec03.40801112.pdf</a>
Transforming India's Green Revaluation by Research and Empowerment for Sustainable Foods Supply: A Global Challenges Research Fund Project (TIGR2ESS)	Prof. Ramanjit Johal Prof. Howard Griffiths, Cambridge University	Research Council UK GCRF/BBSRC TIGR2ESS funding (BB/P027970/1)	International	School of Communication Studies	2018	1894226	54	8524017	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/1665136901-633ff905e1bb11.03216052.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/1665136901-633ff905e1bb11.03216052.pdf</a>
Transforming India's Green Revolution by Research and Empowerment for Sustainable Food Supplies	Prof. Ramanjit Kaur	Research Council UK	International	University Institute of Applied Management Sciences	2020	1000000	24	15009158	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/5f51e24e5b2055.77004667.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/5f51e24e5b2055.77004667.pdf</a>
Transforming India's Green Revolution by Research and Empowerment for Sustainable Food Supplies	Prof. Ramanjit Kaur	Research Council UK	International	University Institute of Applied Management Sciences	2020	1000000	24	15009158	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/5f51e24e5b2055.77004667.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/5f51e24e5b2055.77004667.pdf</a>
Transforming India's Green Revolution by Research and Empowerment for Sustainable Food Supplies	Prof. Ramanjit Kaur	Research Council UK	International	University Institute of Applied Management Sciences	2020	1000000	24	15009158	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/5f51e24e5b2055.77004667.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/5f51e24e5b2055.77004667.pdf</a>

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Transforming India's Green Revolution by Research and Empowerment for Sustainable Food Supplies (TIGRESS)	Prof. Ramanjit K. Johal	Research Councils UK (RCUK)	Non-Government	G&P	2017	15672446	60	0	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/3.2.1_1.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/3.2.1_1.pdf</a>
Usha Silai Machine Project	Dr. Monica Munjial Singh	Usha internationals	Non-Government	Centre for Social Work	2019	65000	12	65000	<a href="https://iqac.puchd.ac.in/naac-docs/c3/projects/5f293778836a75.90634095.pdf">https://iqac.puchd.ac.in/naac-docs/c3/projects/5f293778836a75.90634095.pdf</a>