Sr. No.	Faculty Name	Name of subject/course	Duration (days/ weeks)	Certifying Institute/industry	Academic Year
1	Asha Bharambe	Data Mining	8 weeks	NPTEL	2018-2019
2	Shalu Chopra	**Introduction to human Computer Interaction**	12 weeks	NPTEL	2018-2020
3	Charusheela Nehete	Operations Research	8 Weeks	NPTEL	2018-19
4	Charusheela Nehete	Database Management System	8 Weeks	NPTEL	2017-18
5	Vidya Pujari	Joy of computing using Python	8 weeks	NPTEL	2018-19
6	Sukanya Roychowdhury	Database management system	8 weeks	NPTEL	2019-20
7	Charusheela Nehete	Project Management: The basics of Success	4 Weeks	Coursera	2019-20
8	Charusheela Nehete	Use Canva to Design Digital Course Collater	1 week	Coursera	2019-20
9	Vinita Mishra	Cloud computing	8 weeks	NPTEL	2018-19
10	Vinita Mishra	Database Management System	8 weeks	NPTEL	2019-20
11	Amit Singh	AI for Everyone	4 Weeks	Coursera	2019-20
12	Amit Singh	Notifications Building Web Applications in PHP	8 weeks	Coursera	2019-20
13	Amit Singh	Python Data Strucures	7 Weeks	Coursera	2019-20
14	Jayshree Hajgude	Introduction to Machine Learning	8 Weeks	NPTEL	2017-2018
15	Jayshree Hajgude	Data Mining	8 weeks	NPTEL	2018-2019
16	Jayshree Hajgude	Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization	3 weeks	Coursera	2019-2020
17	Jayshree Hajgude	Machine Learning for All	4 weeks	Coursera	2019-2020
18	Jayshree Hajgude	Neural Networks and Deep Learning	4 weeks	Coursera	2019-2020
19	Manoj k Sabnis	machine learning	4 weeks	Coursera	2019-2020
20	Asma Parveen I.S	Bussiness communucation skills	5 week	Coursera	2019-2020
21	Asma Parveen I.S	Introduction to python	7week	Coursera	2019-2020
22	Sandeep Utala	Object Oriented Programming in Java	4 weeks	Coursera	2019-2020
23	Sandeep Utala	Embedded Hardware and Operating Syst	4 weeks	Coursera	2019-2020
24	M.Vijayalakshmi	Social Networks	12 weeks	Nptel	2017-2018
25	Pooja Shetty	Object Oriented Programming in Java	4 weeks	Coursera	2019-20
26	Pooja Shetty	Blockchain Architecture Design and Use cas	12 weeks	NPTEL	2019-20
27	Pooja Shetty	Computer Programming and Internet Protoco	12 weeks	NPTEL	2018-19

28	Pooja Shetty	Introduction to Research	8 weeks	NPTEL	2018-19

Sr. No.	Faculty Name	Position at BOS	University/ Institute	Department Specialization	Academic Year
1	Shalu Chopra	Member of BOS	Mumbai	Information Technology/ Software Engineering Group	2016...
2	M.Vijayalakshmi	Member of BOS	Mumbai	Information Technology/ Data	2016

Sr. no.	Name of the Faculty	Name of the Journal / Conference	No. of Papers Reviewed	Type of Citation / Indexing (SCI / Scopus / Web of Science)	Month & Year	
1	Asha Bharambe	ICACC-2020	4	CrossRef, Web Of Sciences, Inspec, DOAJ, EBSCO.	**27th - 28th June 2020**	
2	Shalu Chopra	IJI Global Journa	10 yearly twice	CrossRef, Web Of Sciences, ACM digital Library, Scopus, proquest, DOAJ, EBSCO.	since 2016...till date	
3	Shalu Chopra	RACEM	8	CrossRef, Web Of Sciences, Inspec, DOAJ, EBSCO.	since 2016...till date	
4	Shalu Chopra	DJICACTA2020	1	Springer	**28th - 29th Feb 2020**	
5	Charusheela Nel	RACEM	4	CrossRef, Web Of Sciences, Inspec, DOAJ, EBSCO.	March 2019	

6	Jayshree Hajgud	RACEM		4	CrossRef, Web Of Sciences, Inspec, DOAJ, EBSCO.	March 2019
7	Jayshree Hajgud	ICNTE 2019		3	IEEE explore	4th-5th Jan, 2019
8	Jayshree Hajgud	ICNTE 2017		3	IEEE explore	27th-28th Jan, 2017

Sr. No.	Faculty Name	Academic Year	Place and Date	Project Title	Awards / Achievement	Abstract
1	Asha Bharambe	2017-2018	NDIM College, New Delhi	A tool for fetching and editing information from a scanned document mainly of image type	Inspiration award from Persistent Systems	The system included an Intelligent Character Recognition system. Motto of the system was to remove the tedious process of data entry and human error while data entry. The conversion of information from scanned documents into editable text formats which can further be processed to CSV and database files provides the solution to the problem . One important and significant feature being the recognition of handwritten text using template matching with an accuracy of almost 65-70%. The application being able to convert PDFs to text documents eradicates the reliability of any organization on free web hosted PDF to Word Converters. Various technical aspects were implemented like Autocorrect algorithms to remove ambiguities by Machine Learning algorithms thereby improving the accuracy. Other features such as Image Enhancement for rural areas where the technology is not much enhanced were also implemented . Text to speech , Version Control were considered to allure the application. Our application successfully processed images like passport size pictures , stamps , signatures etc in the documents and gave those in the editable text format by preserving the sequence of data. The focus was to have an 'API based development' which assisted in convenient development of Web and Android Portals. The tech stack was purely open source which will help to have an open development in future. Various organisations can be benefited from this tool to convert their existing handwritten documents into editable text formats. With Digital India mission various government organisations can convert the huge amount existing paper-based data into digital one. Thus saving lot of time and human effort.
2	Amit Singh	2017-18	Manipal Institute of Tech	CollegeMap	-	There are many locally relevant problems which come across to UGC where the nearby educational institution can play a vital role. Bringing such problems into the notice of nearby educational institution can be thought of as an open-source innovation /crowd-sourced solution. For example, managing traffic or reducing accident rates by the initiative/involvement of an institution in the vicinity. Or, sharing an innovation on water harvesting (an MRP or a Project) and impacting the real saving of water may be mapped. Many student projects can be well aligned to local social problems. Can we have a digital tool for such project based collaborations with real impact. Can we map such colleges and link it with the digital platform to share innovations (as mentioned in problem statement 3). This can directly impact the curriculum with the real regional requirement, a way to ensure relevance of learning.
3	Amit Singh	2018-19	CVRCE, Bhubaneswar	THIS	Winner	T.H.I.S. stands for The Hub for Indian Startups. It is a user-friendly, robust portal for connecting startups, mentors, incubators and accelerators. Our system has 6 different entities viz. Business Enthusiast, Mentor, Incubator, Accelerator, Investor and Service Provider, with separate logins and registration for each of them
4	Amit Singh	2019-20	NIT Warangal	UnBlock Subsidy	Winner	A great extent of time is wasted under supply chain and significant truthful beneficiaries are bereft of government subsidized schemes. Government subsidized items like fertilizers, housing schemes (Indira Awas, land etc.), pension schemes, medicines, rationing items (wheat,sugar,kerosene) enormous amount of time is wasted in supply chain and that results in wastage of huge amount of items, delayed delivery of the items etc. Also due to other various reasons in some cases subsidized items/schemes does not reach to the truthful beneficiary. To address & ensure government schemes are reaching to the beneficiary in the timely manner, A Blockchain based ecosystem can be developed in order to monitor, track and ensure reduced supply chain time and desirable beneficiary is benefited under the government schemes.

Sr. No.	Name of Awardee	National/ International / State	Summary (not more that 150 words)	Awarded By	Academic Year
1	Asha Bharambe	National	A greenhouse is a structure with walls and roof made chiefly of transparent material, such as glass, in which plants requiring regulated climatic conditions are grown. Many problems are encountered during greenhouse cultivation. These problems result in yield that doesn't fulfil the international and national market standards resulting in wastage of energy and crops. Smart greenhouse is a concept of greenhouse that cultivates crops without human intervention. Crops in a smart greenhouse grow without adjustment of climate or any human interference by any means for a particular period. The smart greenhouse uses various microprocessors and sensors to perform functions such as controlling temperature and irrigation system. This system is cost effective and improves efficiency & versatility of greenhouses. The objective is to introduce a system that effectively identifies the internal parameters of the greenhouse and monitors those parameters continuously.	e-Yantra IIT	2019-2020
2	Shanta Sondur	National	Visually impaired go through many hardships when it comes to daily routine tasks, navigation and social life. Plenty are visually impaired around the globe, where many of them are blind and few suffer from partial or color blindness. This concept is devised to supply smart electronic aid that facilitates the impaired with an efficient navigation, obstacle detection and give them artificial sense of vision .	e-Yantra IIT	2019-2020
3	Charusheela Nehete	National	Street Quality Mapper is a go-to built keeping in mind the issues 53,720 vehicles face who hit the streets of every single day. SQM enables a comprehensive map of a citys street surface quality and portrays a birds eye view of the streets, enabling the admin to monitor the conditions in real time and make informed decisions for the improvement of the street quality. Other beneficiaries would be ambulances, fire brigade officials, as they have to deal with time-critical cases, transport of fragile instruments such as medical equipment, as they can make proper decisions and decide an appropriate route. We use signal processing to analyse acceleration fluctuations to determine the road quality and ascertain the presence of potholes on the street. The streets are color-coded on the basis of the road quality and the potholes are plotted on the street maps.	e-Yantra IIT	2018-19
4	Pooja Shetty	National	Mentored a team to developed a model to predicted a type of skin disease based on the image of the mole and further classified it as cancerous or non cancerous. The application was specifically made to assist the Dermatologists for cross checking observations.	Buoyanci Innovations Challenge 2019 AI for HealthCare	2019-20