

QUANTUM UNIVERSITY



Student Centric Methods



**Annual Report on Problem
Solving Methodologies
Academic Year (2022–2023)**

ANNUAL REPORT
PROBLEM SOLVING LEARNING METHODOLOGIES



Academic Year (2022-2023)


Registrar
Quantum University

Problem Solving Learning Methodologies


2022-2023

Problem-Based Learning (PBL) is an innovative educational approach that redefines the traditional classroom dynamic by placing students at the forefront of their learning experience. In this methodology, students actively engage in the learning process by tackling real-world, open-ended problems within collaborative group settings.

The essence of PBL lies in its emphasis on cultivating essential problem-solving skills. Instead of relying on traditional lecture-based instruction, PBL encourages students to delve into authentic challenges that mirror those they might encounter in their future careers. This hands-on approach not only deepens their understanding of the subject matter but also equips them with critical thinking, communication, and teamwork skills.

Central to PBL is the concept of student empowerment. By immersing themselves in collaborative group work, students take ownership of their learning journey. This not only enhances their motivation and self-directed learning skills but also fosters a sense of responsibility and independence. In this active learning environment, students become more than passive recipients of information; they become problem-solvers, applying theoretical knowledge to real-world scenarios.

Problem Solving Methods

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- Technical Quiz
 - Project Work and Demonstration
 - Project Competition
 - Research Paper Presentation/RIC Presentation
 - Case Studies
 - Hackathon-Problem Selection and Solving



Registrar
Quantum University

Table of Content

Problem Solving Learning	S.No.	Department	Title	Venue/ Key person	Affiliation	Date	No. of Students
	01	Department of Hospitality and Tourism	Food Production Practical	Hotel Management lab	Quantum University	25/02/2022	14
	02	Tech. Fest of Dharohar	सृजन - Startup Enclave cum Project Expo 2022	Dr. Dhan Singh Rawat	Cabinet Minister of Uttarakhand Government	07/04/2022	75
	03	The Genesis – QU Innovation Council	<u>प्रेरक-orientation session on IIC</u>	Shyamji Auditorium/Prof. Vivek Kumar, Vice Chancellor of Quantum University. Then Mr. Varun Tiwari – CEO	Quantum University	28/09/2022	400
	04	The Genesis – QU Innovation Council	AWS Moonshot Day	Mini Auditorium, B. Tech. Seminar, Shyamji Auditorium/ Chetan Bhatia, Founder of Honest Create	IIC	11/10/2022	130

	05	Department of Computer Science and Engineering	Slow learner and problem-solving method	A-208, A-209	Quantum University	21/11/2022 to 30/11/2022	52
	06	The Genesis – QU Innovation Council	Entrepreneurship Awareness Session (Focused on MSME)	Mini Auditorium/Shyamji Auditorium	IIC	28/11/2022 to 2/12/2022	60
	07	Department of Computer Science and Engineering	Fast Learners and Special Activities for the Students	B.Tech Seminar Hall	Quantum University	10/12/2022	122
	08	Department of Computer Science & Engineering	Intra-Institutional Hackathon cum Project Exhibit	B. Tech. Seminar Hall	IIC	10/12/2022	63
	09	The Genesis – QU Innovation Council	Founder Class (Interactive Session)	Mini Auditorium	Quantum University	21/03/2023	52


 Registrar
 Quantum University

Problem solving Learning

Session- 2022-2023

1. Food Production Practical

The Department of Hospitality and Tourism, Quantum University, Roorkee organized a food production practical conducted at the Hotel Management Lab on February 25, 2022. In which practical inputs were given to 14 students for the preparation of Italian baked bean salad; it was a highly interactive session, a descriptive presentation on food production Lab. Students in a group prepare Italian baked bean salad Food on Italian Cuisine. Students prepare Italian baked bean salad.



A Glimpse of Hands-on Training on Italian Baked Beans Salad

2. सृजन - Startup Enclave cum Project Expo 2022

Quantum University organized सृजन - STARTUP ENCLAVE CUM PROJECT EXPO 2022 under the aegis of EDGE'2022 - THE TECH FEST of Dharohar 2022. The event was organized from 7th April 2022 to 9th April 2022 from 10:00 am to 5:30 PM in the Central Library. The event began with a grand showcasing of 75 teams displaying their start-up idea, models, utility software, working projects, and prototypes in different arenas of Science and Technology. Our honorable chief guest Dr. Dhan Singh Rawat, Education Minister of the Uttarakhand Government graced the event with his humble presence on the occasion.

The ribbon-cutting ceremony took place at the entrance of the central library. Bouquets and mementos were presented to our chief guest. All the participants expressed their ideas to our honorable chief guest with the greatest of zeal. Further later the students were highly motivated and enthused to present their ideas to our elite judges namely Mr. Pranav Dwivedi, Serial Entrepreneur (Startup/Mentor), Mr. Varun Tiwari, Head of Genesis.

The event was completed with the announcement of winners. The winner's list is as follows:
The winner – Team Samurai for Smart Inhaler from Dept. of Computer Science and Engineering, Quantum University.

The first runner-up – Team Knights for Gomay from the faculty of Business & Management, Quantum University.

The second runner-up-Team Techool Innovators for IOT-based Smart Dustbin from Techool Technologies.



Education Minister Dhan Singh Rawat Doing the Honors of Inaugurating the Startup Enclave

3. प्रेरक-orientation session on IIC

The Genesis – QU Innovation Council organized a प्रेरक-orientation session on IIC on 28th September 2022 for the students and faculty members from various departments of the university to create awareness about the IIC and its features and to promote the innovation and entrepreneurial culture, more there than 400 participants joined the event. The competition provided a platform to promote the different discipline-related startups and their innovation and entrepreneurial culture through role-playing by QUIC student representatives.

The event began with a warm welcome to all the guests. It was followed by Poster Inauguration and lamp lighting by the Guest and Saraswati Vandana. Then all the participants started presenting their acts and innovations. In the Middle, there was a speech by Prof. Vivek Kumar, Vice Chancellor, of Quantum University. Then Mr. Varun Tiwari – CEO (The Genesis Quantum University) addressed the participants about the objective of the event. He turned the spotlight to the idea of creating platforms where new technologies, concepts, and business ideas are revealed and seen in a new light. He expressed his gratitude towards Headstart Network Foundation and Startup Uttarakhand of India for providing the required support for the event.

The session ended with a Question-answer session and a vote of thanks. Positive feedback was received from participants and students suggested organizing more sessions like the same in the future.

6/8/23, 11:29 AM

Quantum University Mail - Invitation for प्रेरक - Leadership Talk & Orientation Session on IIC



Vice Chancellor <vicechancellor@quantumuniversity.edu.in>

Invitation for प्रेरक - Leadership Talk & Orientation Session on IIC

1 message

Naveen Rana <naveenrana.me@quantumeducation.in>

Wed, Sep 21, 2022 at 12:38 PM

To: siddharth.shukla@pwc.com

Cc: Shobhit Goyal <vo@quantumeducation.in>, Vice Chancellor <vicechancellor@quantumuniversity.edu.in>, Quantum University <ceo.quic@quantumuniversity.edu.in>

Dear Sir,

I am delighted to share that The Genesis - QU Innovation Council is organizing प्रेरक - Leadership Talk & Orientation Session on IIC on September 24, 2022, in Quantum University Campus.

The event will be attended by 400+ students and faculty members.

It will be a privilege to have you as the Guest of Honour for this event.

QUIC Programme Details for प्रेरक - Leadership Talk & Orientation Session on IIC has been attached to this email for your information.

Kindly confirm and contact the undersigned in case of any queries.

। "जय जवान, जय किसान, जय विज्ञान, जय अनुसंधान" ।

Thanks & Regards,

Naveen Rana

Assistant Professor, Dept of Mechanical Engineering, School of Technology

Coordinator - Research Extension Activities

Quantum University, Roorkee, Uttarakhand, India

Contact Number: +91-76964-44446

Research Gate Profile - Naveen Rana

Google Scholar Profile - Naveen Rana

LinkedIn Profile - Naveen Rana



Note: This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed. If you have received this email in error please notify me by email.



QUIC Programme Details प्रेरक - Orientation Session on IIC.pdf

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Pictures from QU Innovative Council Event “PRERAK” meaning motivator

4. AWS Moonshot Day

AWS Moonshot Day was organized by **The Genesis QUIC** in collaboration with **Headstart Network Foundation** and **Startup Uttarakhand** on **11th October 2022** to encourage exploratory engagement between start-ups, investors, and local governments and to strengthen the start-up ecosystem in each state and explore business opportunities. The event began with a warm welcome to all participants and high tea along with the registration process of all startups, the event witnessed a staggering attendance of 130 participants.

It was followed by an introduction to dignitaries followed by a lamp lighting ceremony **Mr. Varun Tiwari – CEO of Genesis Quantum University** addressed the participants about the objective of the event. He turned the spotlight to the idea of creating platforms where new technologies, concepts, and business ideas are revealed and seen in a new light. He expressed his gratitude towards Headstart Network Foundation and Startup Uttarakhand of India for providing the required support for the event.

The following Startups presented at AWS Moonshot Day: Roorkee Edition such as **a) Ayaksham Agritech LLP, b) Umbeo Tech, c) Unscene Innovation, d) BigOHealth, e) Kimalaya Naturals Pvt. Ltd., f) AgBoost Tech Consultancy, g) Actecal pvt ltd and h) I-Fuel pvt ltd**

All the shortlisted start-ups went through a 1-hour boot camp and mentoring session by **Chetan Bhatia, Founder of Honest Create**. The speaker shared the dos and don'ts of pitching and the essential elements of a pitch deck with the shortlisted candidates. The start-ups were given one-on-one feedback on their pitch decks and how they could make their decks visually appealing and coherent.

The jury evaluated the start-ups on 5 parameters: **1) Scalability, 2) Viability, 3) Contextual Relevance to Public Sector, 4) Technological Feasibility and 5) Innovation Quotient**. Then the jury allocated scores on a scale of 0-5 on each of these parameters with '0' being the lowest and '5' being the highest score. A printed kit was provided by the event organizer for the Jury evaluation process. The session ended with a Question-answer session and a vote of thanks.

THE GENESIS
QUANTUM UNIVERSITY
INNOVATION COUNCIL



**INSTITUTION'S
INNOVATION
COUNCIL**
(Ministry of Education Approved)



**Quantum
UNIVERSITY**

Date: October **4**, 2022

Minute to Minute Programme

Event Name : Moonshot Days
Date : October 11, 2022
Venue : 1. Mini Auditorium
2. B.Tech – Seminar Hall (Registration & Hospitality)
3. Shyam Ji Auditorium
Audience : Start-ups

Sr. No.	Time	Programme	Venue
1	09:00 AM – 09:30 AM	Arrival of the Officials & Start-ups	Mini Auditorium
2	09:30 AM – 10:00 AM	Registration & Welcome Tea	B.Tech – Seminar Hall
3	10:00 AM – 10:05 AM	Welcomes & Introduction of the Official	Mini Auditorium
4	10:05 AM – 10:10 AM	Lamp Lighting Ceremony	Mini Auditorium
5	10:10 AM – 10:15 AM	Address by the Vice-Chancellor, Quantum University	Mini Auditorium
6	10:15 AM – 01:15 PM	Meeting Session of Start-ups	Mini Auditorium
7	01:15 PM – 02:15 PM	Lunch	B.Tech – Seminar Hall
8	02:30 PM – 03:30 PM	Mock Class	Shyam Ji Auditorium
9	03:30 PM – 03:45 PM	Participation of the Officials	Shyam Ji Auditorium
10	03:45 PM – 04:00 PM	High Tea	B.Tech – Seminar Hall



Mr. Navneen Rana
Coordinator-Research Extension Activities,
Quantum University



Prof. (Dr.) Manish Sharma
Director, School of Technology,
Quantum University



Prof. (Dr.) Vivek Kumar
Vice-Chancellor,
Quantum University





Snapshots from the AWS Moon Short Platform: Where innovation meets opportunity! A seamless convergence of start-ups, investors, and local governments, fostering collaboration under one roof

5. Slow Learner and problem-solving method

Semester:3	
Subject: DATA STRUCTURE AND PROGRAMMING (CS3301)	
QU2101301092	SHAKIR AMAAN
QU2101301096	SHIVAM KUMAR
QU2101301035	BANDHAN PATEL
QU2101301077	RAJ ARYAN SINHA
QU2101301088	SAMRAT KUMAR
QU2101301008	AFREEN NABI
QU2101301068	NITIKA SAINI
QU2101301078	RAJAN KUMAR
QU2101301101	TANUJ GARG
QU2101301091	SHAILENDRA KUMAR SINGH
QU2101301118	RAVI KUMAR
QU2101301106	VARNIKA MITTAL
QU2101301113	ADITI
QU2101301075	PRIYANKA KUMAR
QU2101301084	RIYA
QU2101301024	ANSHUL SAINI
QU2101301029	ARYA BADAL SINGH
QU2101301013	AKHIL TYAGI
QU2101301033	ASHUTOSH KUMAR
QU2101301036	DEEN BANDHU SINGH
QU2101301079	RAJAN PRATAP SINGH
QU2101301021	ANKIT RAJ
QU2101301027	ARJUN GUMBER
QU2101301069	NITISH KUMAR
QU2101301006	ADARSH SINGH SOMVANSHI
QU2101301119	ADARSH CHAUDHARY
QU2101301120	ANSHU KUMAR
QU2101301056	MD SAHIL
QU2101301023	ANSHIKA MITTAL
QU2101301041	DIVYAM
QU2101301076	PRIYANSHU MAURYA
QU2101301117	SUDHANSHU SHEKHAR
QU2101301034	ASHUTOSH SHARMA
QU2101301066	NIDHI JANGDE
QU2101301080	RAMAVTAR KUMAR YADAV
QU2101301058	MINHAJ
QU2101301065	NAVED HASAN
QU2101301121	MD JASIM
QU2101301086	ROHIT RAWAT
QU2101301026	ANUSHKA CHAUHAN

Semester:5 (SEC 1 & 2)
OPERATING SYSTEM (CS3501)

StudentID	Student Name
QU2001301043	PRAVIN KUMAR GUPTA
QU2001301055	Shahwaj Alam
QU2101301905	ROHIT KUMAR
QU2001301018	DANISH GAUR
QU2001301021	HARSH TYAGI
QU2001301025	HARSHITA
QU2001301012	ANSHUL SAINI
QU2001301069	AKERSH PAL
QU2001301047	RASHI BHAGORIA
QU2001301035	MD. TABISH EJAZ
QU2001301072	JATIN SAINI
QU2001301048	RITESH KUMAR
QU2001301034	MD MERAJ
QU2101301903	KAJAL PATEL
QU2001301016	ARYAN GUPTA
QU2001301006	ADARSH VERMA
QU2001301033	MD ATIKUR RAB
QU2001301064	TARUN PANWAR
QU2101301906	SONU KUMAR
QU2001301005	ABHISHEK JAISWAL
QU2001301013	ANWAR AKTHER VALI
QU2001301030	KARAN KUMAR MAURYA
QU2001301023	HARSHIT RAJPUT
QU2001301020	DEVESH JUYAL
QU2001301036	MOHD ARIF KHAN
QU2001301075	MD ARIF
QU2001301050	RUBY RANA
QU2001301026	HARSHITA GUPTA
QU2001301028	JAYESH BHATT
QU2001301010	ANKIT PATEL
QU2001301015	ARPIT KHANULIA
QU2001301022	HARSH TYAGI
QU2001301049	ROSHAN KUMAR
QU2001301009	ANAND RAJ

Semester:7 (CSE)**Subject: ORGANIZATION AND ARCHITECTURE OF COMPUTER (CS3705)**

QU1901301001	ABHINAV TYAGI
QU1901301067	SANTOSH KUMAR YADAV
QU1901301014	ARGHYA NATH
QU1901301035	KARAN
QU1901301051	RAJANEESH KUMAR
QU1901301052	RAUSHAN RANJAN
QU1901301033	HIMANSHU TYAGI
QU1901302006	AKSHAT MITTAL
QU1901301003	ADITYA
QU1901301004	ADITYA MALKANI
QU1901301020	BIRMANI KUMAR
QU1901301030	GAURAV SAINI
QU1901301009	AMAN RAI
QU1901301012	ANIKET RAJ
QU1901301042	MUKESH KUMAR
QU1901301034	JANM JAY KUMAR
QU1901301018	ASHUTOSH
QU1901301066	SANTOSH KUMAR
QU1901301084	YASH KUMAR
QU1901301058	ROHIT RAJ

NOTICE

Dated: November 19, 2022

As per the evaluation of the Mid-Term (ODD) examination conducted by the Department of Computer Science & Engineering, some students have been identified as Slow and Advanced Learners.

For the improvement of the Slow Learner's department has decided to conduct the remedial classes from 21/11/2022 to 30/11/2022.

The timetable is put on the notice board.

Mr. Chunnu Lal,

Assistant Professor,

Faculty of Technology

Quantum University, Roorkee

Uttarakhand

CC to

- 1) Hon'ble Chancellor for information.
- 2) Hon'ble Vice Chancellor for information.
- 3) Hon'ble Pro-Vice Chancellor for information.
- 4) Directors (Faculty of Technology & Faculty of Business & Management)
- 5) All faculty members, Academics Coordinator, System Admin, ERP.
- 6) All notice Board.

Remedial Classes for Slow Learners

Time Table(2022-23) ODD

Program:	Bachelor of Technology in Computer Science & Engineering				Year/Sem:	1st 3rd 5th 7th Sem
Date	SEM	Time	Subject		Name of Faculty	
21/11/2022	I	2:15-3:00 pm	Mathematics-I		Abhishek Agg.	
		3:00-3:45 pm	Engineering Physics		Surendra Singh	
		3:45-4:30 pm	Basic Computer and C Programming		Vivek Kumar	
	III	2:15-3:00 pm	Discrete Design Structure		Himanshu Kumar	
		3:00-3:45 pm	Data Structure & Programming		Himanshu Sharma	
		3:45-4:30 pm	Linux and Open Source		Kuldeep Pal	
	V	2:15-3:00 pm	Design and Analysis of Algorithm		Shalini Singh	
		3:00-3:45 pm	Unsupervised Learning and Neural Networks		Saraswati	
		3:45-4:30 pm	Linux and Virtualization		Kuldeep Pal	
	VII	2:15-3:00 pm	System Administration		Parminder Singh	
		3:00-3:45 pm	Big Data and Business Intelligence		Satveer Singh	
22/11/2022	I	3:45-4:30 pm	Mathematics-I		Abhishek Agg.	
		2:15-3:00 pm	Engineering Physics		Surendra Singh	
		3:00-3:45 pm	Basic Computer and C Programming		Vivek Kumar	
		3:45-4:30 pm	Discrete Design Structure		Himanshu Kumar	
	III	2:15-3:00 pm	Data Structure & Programming		Himanshu Sharma	
		3:00-3:45 pm	Linux and Open Source		Kuldeep Pal	
		3:45-4:30 pm	Design and Analysis of Algorithm		Shalini Singh	
		2:15-3:00 pm	Unsupervised Learning and Neural Networks		Saraswati	
	V	3:00-3:45pm	Linux and Virtualization		Kuldeep Pal	
		3:45-4:30 pm	System Administration		Parminder Singh	
		2:15-3:00pm	Big Data and Business Intelligence		Satveer Singh	
23/11/2022	I	3:00-3:45pm	Mathematics-I		Abhishek Agg.	
		3:45-4:30 pm	Engineering Physics		Surendra Singh	
		2:15-3:00 pm	Basic of Computer and C Programming		Vivek Kumar	
		3:00-3:45pm	Discrete Design Structure		Himanshu Kumar	
	III	3:45-4:30 pm	Data Structure & Programming		Himanshu Sharma	
		2:15-3:00pm	Linux and Open Source		Kuldeep Pal	
		3:00-3:45pm	Design and Analysis of Algorithm		Shalini Singh	
		3:45-4:30 pm	Unsupervised Learning and Neural Networks		Saraswati	

	VII	2:15-3:00pm	Linux and Virtualization	Kuldeep Pal
		3:00-3:45pm	System Administration	Parminder Singh
		3:45-4:30 pm	Big Data and Business Intelligence	Satveer Singh
24/11/2022	I	2:15-3:00 pm	Mathematics-I	Abhishek Agg.
		3:00-3:45 pm	Engineering Physics	Surendra singh
		3:45-4:30 pm	Basic of Computer and C Programming	Vivek Kumar
	III	2:15-3:00 pm	Discrete Design Structure	Himanshu Kumar
		3:00-3:45 pm	Data Structure & Programming	Himanshu Sharma
		3:45-4:30 pm	Linux and Open Source	Kuldeep Pal
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	VII	2:15-3:00 pm	System Administration	Parminder singh
		3:00-3:45 pm	Big Data and Business Intelligence	Satveer Singh
		3:45-4:30 pm	Mathematics-I	Abhishek Agg.
25/11/2022	I	2:15-3:00 pm	Engineering Physics	Surendra singh
		3:00-3:45 pm	Basic of Computer and C Programming	Vivek Kumar
		3:45-4:30 pm	Discrete Design Structure	Himanshu Kumar
	III	2:15-3:00 pm	Data Structure & Programming	Himanshu Sharma
		3:00-3:45 pm	Linux and Open Source	Kuldeep Pal
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	VII	2:15-3:00 pm	Big Data and Business Intelligence	Satveer Singh
		3:00-3:45 pm	Mathematics-I	Abhishek Agg.
		3:45-4:30 pm	Engineering Physics	Surendra Singh
26/11/2022	I	2:15-3:00 pm	Basic Computer and C Programming	Vivek Kumar
		3:00-3:45 pm	Discrete Design Structure	Himanshu Kumar
		3:45-4:30 pm	Data Structure & Programming	Himanshu Sharma
	III	2:15-3:00 pm	Linux and Open Source	Kuldeep Pal
		3:00-3:45 pm	Design and Analysis of Algorithm	Shalini Singh
		3:45-4:30 pm	Unsupervised Learning and Neural Networks	Saraswati
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	VII	2:15-3:00 pm	Mathematics-I	Abhishek Agg.
		3:00-3:45 pm	Engineering Physics	Surendra Singh
		3:45-4:30 pm	Basic of Computer and C Programming	Vivek Kumar
28/11/2022		2:15-3:00 pm	Mathematics-I	Abhishek Agg.

		3:00-3:45 pm	Engineering Physics	Surendra Singh
		3:45-4:30 pm	Basic Computer and C Programming	Vivek Kumar
	III	2:15-3:00 pm	Discrete Design Structure	Himanshu Kumar
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		3:00-3:45 pm	Unsupervised Learning and Neural Networks	Saraswati
		3:45-4:30 pm	Linux and Virtualization	Kuldeep Pal
	VII	2:15-3:00 pm	System Administration	Parminder Singh
		3:00-3:45 pm	Big Data and Business Intelligence	Satveer Singh
29/11/2022	I	3:45-4:30 pm	Mathematics-I	Abhishek Agg.
		2:15-3:00 pm	Engineering Physics	Surendra Singh
		3:00-3:45 pm	Basic of Computer and C Programming	Vivek Kumar
		3:45-4:30 pm	Discrete Design Structure	Himanshu Kumar
	III	2:15-3:00 pm	Data Structure & Programming	Himanshu Sharma
		3:00-3:45 pm	Linux and Open Source	Kuldeep Pal
		3:45-4:30 pm	Design and Analysis of Algorithm	Shalini Singh
		2:15-3:00 pm	Unsupervised Learning and Neural Networks	Saraswati
	V	3:00-3:45 pm	Linux and Virtualization	Kuldeep Pal
		3:45-4:30 pm	System Administration	Parminder singh
		2:15-3:00 pm	Big Data and Business Intelligence	Satveer Singh
		3:00-3:45 pm	Mathematics-I	Abhishek Agg.
30/11/2022	I	3:45-4:30 pm	Engineering Physics	Surendra Singh
		2:15-3:00 pm	Basic Computer and C Programming	Vivek Kumar
		3:00-3:45 pm	Discrete Design Structure	Himanshu Kumar
		3:45-4:30 pm	Data Structure & Programming	Himanshu Sharma
	III	2:15-3:00 pm	Linux and Open Source	Kuldeep Pal
		3:00-3:45 pm	Design and Analysis of Algorithm	Shalini Singh
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	V	3:00-3:45 pm	System Administration	Parminder Singh
		3:45-4:30 pm	Big Data and Business Intelligence	Satveer Singh
		3:00-3:45 pm	Mathematics-I	Abhishek Agg.
		3:45-4:30 pm	Engineering Physics	Surendra Singh

6. Entrepreneurship Awareness Session (Focused on MSME)

The Genesis – QU Innovation Council has organized the **FDP & Entrepreneurship Awareness Session (Focused on MSME)** from **28th November to 2nd December 2022** with the **support of ecosystem partners Startup Uttarakhand and Headstart Network Foundation** aiming at a few **entrepreneurial sessions** and a **panel discussion daily for 60 students and faculty members** from various departments to create awareness about the business plan, to make self-sufficient Entrepreneurs & Innovators, to understand the importance of Entrepreneurship and its present scenario and to encourage Faculty members to participate and learn techniques for setting up a new business.

The details timeline of the event is as follows –

Monday 28th November

Session 1- Planning your Startup Finances- Ms. Jaya Bharti

Session 2- Bringing Innovation to Market - Mr. Taha Malik

Tuesday 29th November

Session 1- The Transformative Potential of Blockchain - Mr. Balaji Ayangar

Session 2- Building a Startup Community - Mr. Vashisth Chary

Wednesday 30th November

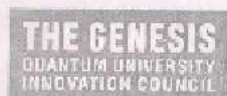
Session - Raising Startup Investment - Mr. Anubhav Tiwari

Friday 2nd December

Session - Working at an Incubation Centre - Prof. Safal Batra, IIM Kashipur.

The event began with a warm welcome to all participants. It was followed by an introduction to speakers. Then Mr. Varun Tiwari – CEO, The Genesis Quantum University addressed the participants about the objective of the event. He turned the spotlight to the idea of creating platforms where new technologies, concepts, and business ideas are revealed and seen in a new light.

This 4-day program commenced with its first collaborative session with the guest speakers **Ms. Jaya Bharti, Sr. Advisor, CIEL Bombay, and Mr. Taha Malik, Founder of Baari Labs**, who interacted with the students on their topics "Planning your Startup Finances" and "Bringing Innovation to Market". In her address, **Ms. Jaya** spoke about the importance of finance in a startup. She said "Finance plays a crucial role in the commencement of any new business as it supports the growth of the company." Mr. Taha Malik said, "A successful innovation will help you add value to your business to increase your profits."



Dated: October 25, 2022

To
Prof. (Dr.) Vivek Kumar,
Vice-Chancellor,
Quantum University, Roorkee

Subject: Regarding FDP (Start/Execute/Scale) on 28th, 29th and 30th November

Sir,

The Genesis Quantum University Innovation Council is organising the three days FDP (Start/Execute/Scale) on 28th, 29th and 30th November at **Mind Auditorium** from 11 am to 1 pm. All the QUC-Faculties Representatives are cordially invited for the program.

FDP Timelines

MONDAY (28 th November)	
Theme	Speakers
Planning your Startup Finances	Ms. Jaya Bhardi (Senior Program Specialist – Prisoner Correction & Rehabilitation, Amarkantak)
Bringing Innovation to Market	Mr. Taha Malik (Founder & CEO, Bear Labs)
TUESDAY (29 th November)	
Understanding the Startup Journey	Mr. Bhaui Ayyangar (Founder, Upcenerate Solutions Pvt. Ltd.)
Building a Startup Community	Mr. Varishu Chary (Founder, ThyBookBox)
WEDNESDAY (30 th November)	
Raising Startup Investment	Mr. Anubhav Tiwari (CEO, Hydrenabad, Telangana)
Working of an Incubation Centre	Prof. Saraj Bera (IIM Kashipur)

[Signature]
Dr. Sumit Tiwari
Coordinator, Incubation and Startup Cells
Quantum University, Roorkee

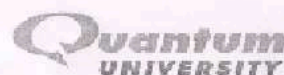
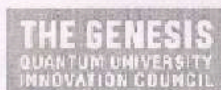
[Signature]
Mr. Varishu Chary
CEO – The Genesis
Quantum University, Roorkee

[Signature]
Prof. (Dr.) Manish Sharma
Director, School of Technology,
Quantum University, Roorkee



[Handwritten Signature]
Students Representative
QUC

[Handwritten Signature]
Prof. (Dr.) Vivek Kumar
Vice-Chancellor,
Quantum University, Roorkee



The following lists given below are the faculties who have to attend the FDP mandatorily on 28, 29 and 30th November.

Sr. No.	Name of Faculty	Department
1	Dr. Anjay Singh Bisht	Agriculture
2	Ms. Pooje Barothwal	Agriculture
3	Mr. Harshit Sharma	CSE
4	Ms. Reena Routhan	CSE
5	Ms. Shalini Singh	CSE
6	Mr. Kuldeep Pal	Computer Application
7	Mr. Mukesh Kumar	Mechanical Engineering
8	Mr. Rajiv Kumar	Electrical Engineering
9	Dr. Nimish	Management
10	Dr. Vinay Pal	Management
11	Ms. Niharika Saxena	Health Science
12	Ms. Lakmi	Health Science
13	Mr. Mohit Kumar	Civil Engg.
14	Mr. Shobham Paudyal	Civil Engg.
15	Mr. Tapeshwar	Media
16	Dr. Deepika	Humanities
17	Mr. Abhishek Kumar	Humanities
18	Dr. Anshika Mrs. Manish	Applied Science
19	Mr. Vinender Kumar Arya	Hospitality & Mgt
20	Ms. Swarnim Choudhary	Law
21	Ms. Priyanka Kapila	CSE

Dr. Aditya
Coordinator, Incubation and Startup Cells
Quantum University, Rohtak

Mr. Anand Tiwari
CEO - The Genesis
Quantum University, Rohtak

Prof. Dr. Anshu Kumar
Director, School of Technology,
Quantum University, Rohtak



Prof. Dr. Vivek Kumar
Vice-Chancellor,
Quantum University, Rohtak

Quiz on
Friday day
at least
100 questions



MSME was the Focus of the Entrepreneurship Awareness Session

7. Fast Learners and Special Activities for the students

The Department of Computer Sciences and Engineering has identified 122 students with Bachelor of Technology in Computer Science & Engineering (2022-23 ODD) as advanced learners for whom the department has conducted and organized very strategic education activity /allied academic activity as follows.

Name of Students	Name of Topics
Year/Sem -1/1	
	<ul style="list-style-type: none"> ● Project Exhibition ● Leadership Talk 2022 Under Honeywell ● HackerRank Code ● Workshop on Cross Platform tools for app development
ABHISHEK KUMAR SINGH	
AYAN	
PREETI FARTYAL	
ASHWANI DUBEY	
AARAV SEXSENA	
MEHREEN	
ANISH AFRIDI	
MOHIT KUMAR	
RUDRIKA SAINI	
DHRUV SAROHA	
ARPAN CHAKRABORTY	
AMAN KUMHAR	
MRITUNJAY CHOUDHARY	
PRIYANSHU SAINI	
RISHANK JINDAL	

ISHAK GAURI

Name of Students	Name of Topics
Year/Sem -2/3	
	<ul style="list-style-type: none"> • Project Exhibition • Leadership talk 2022 Under Honeywell • HackerRank Code • Workshop on Cross Platform tools for app development
SHAKIR AMAAN	
SHIVAM KUMAR	
BANDHAN PATEL	
RAJ ARYAN SINHA	
SAMRAT KUMAR	
AFREEN NABI	
NITIKA SAINI	
RAJAN KUMAR	
TANUJ GARG	
SHAILENDRA KUMAR SINGH	
RAVI KUMAR	
VARNIKA MITTAL	
ADITI	
PRIYANSHO KUMAR	
RIYA	
ANSHUL SAINI	
ARYA BADAL SINGH	
AKHIL TYAGI	
ASHUTOSH KUMAR	
DEEN BANDHU SINGH	
RAJAN PRATAP SINGH	

ANKIT RAJ	
ARJUN GUMBER	
NITISH KUMAR	
ADARSH SINGH SOMVANSHI	
ADARSH CHAUDHARY	
ANSHU KUMAR	
MD SAHIL	
ANSHIKA MITTAL	
DIVYAM	
PRIYANSHU MAURYA	
SUDHANSHU SHEKHAR	
ASHUTOSH SHARMA	
NIDHI JANGDE	
RAMAVTAR KUMAR YADAV	
K ASHWATH	
MINHAJ	
NAVED HASAN	
MD JASIM	
ROHIT RAWAT	
ANUSHKA CHAUHAN	

Name of Students	Name of Topics
Year/Sem -2/3	
SHAKIR AMAAN	<ul style="list-style-type: none"> Project Exhibition Leadership talk 2022 Under Honeywell
SHIVAM KUMAR	
BANDHAN PATEL	
RAJ ARYAN SINHA	

SAMRAT KUMAR	· HackerRank Code Workshop on Cross Platform tools for app development
AFREEN NABI	
NITIKA SAINI	
RAJAN KUMAR	
TANUJ GARG	
SHAIENDRA KUMAR SINGH	
RAVI KUMAR	
VARNIKA MITTAL	
ADITI	
PRIYANSHO KUMAR	
RIYA	
ANSHUL SAINI	
ARYA BADAL SINGH	
AKHIL TYAGI	
ASHUTOSH KUMAR	
DEEN BANDHU SINGH	
RAJAN PRATAP SINGH	
ANKIT RAJ	
ARJUN GUMBER	
NITISH KUMAR	
ADARSH SINGH SOMVANSHI	
ADARSH CHAUDHARY	
ANSHU KUMAR	
MD SAHIL	
ANSHIKA MITTAL	
DIVYAM	
PRIYANSHU MAURYA	

SUDHANSHU SHEKHAR	
ASHUTOSH SHARMA	
NIDHI JANGDE	
RAMAVTAR KUMAR YADAV	
K ASHWATH	
MINHAJ	
NAVED HASAN	
MD JASIM	
ROHIT RAWAT	
ANUSHKA CHAUHAN	

Name of Students	Name of Topics
Year/Sem -2/3	
SHAKIR AMAAN	• Project Exhibition
SHIVAM KUMAR	• Leadership talk 2022 Under
BANDHAN PATEL	Honeywell
RAJ ARYAN SINHA	• HackerRank Code
SAMRAT KUMAR	• Workshop on Cross Platform
AFREEN NABI	tools for app development
NITIKA SAINI	
RAJAN KUMAR	
TANUJ GARG	
SHAILENDRA KUMAR SINGH	
RAVI KUMAR	
VARNIKA MITTAL	
ADITI	
PRIYANSHO KUMAR	
RIYA	
ANSHUL SAINI	
ARYA BADAL SINGH	
AKHIL TYAGI	
ASHUTOSH KUMAR	

DEEN BANDHU SINGH	
RAJAN PRATAP SINGH	
ANKIT RAJ	
ARJUN GUMBER	
NITISH KUMAR	
ADARSH SINGH SOMVANSHI	
ADARSH CHAUDHARY	
ANSHU KUMAR	
MD SAHIL	
ANSHIKA MITTAL	
DIVYAM	
PRIYANSHU MAURYA	
SUDHANSHU SHEKHAR	
ASHUTOSH SHARMA	
NIDHI JANGDE	
RAMAVTAR KUMAR YADAV	
K ASHWATH	
MINHAJ	
NAVED HASAN	
MD JASIM	
ROHIT RAWAT	
ANUSHKA CHAUHAN	

Name of Students	Name of Topics
Year/Sem -3/5	
PRAVIN KUMAR GUPTA	• Project Exhibition
Shahwaj Alam	• Leadership talk 2022 Under
ROHIT KUMAR	Honeywell
DANISH GAUR	• HackerRank Code
HARSH TYAGI	• Workshop on Cross Platform
HARSHITA	tools for app development
ANSHUL SAINI	
AKERSH PAL	
RASHI BHAGORIA	
MD. TABISH EJAZ	
JATIN SAINI	
RITESH KUMAR	
MD MERAJ	
KAJAL PATEL	
ARYAN GUPTA	
ADARSH VERMA	
MD ATIKUR RAB	
TARUN PANWAR	
SONU KUMAR	
ABHISHEK JAISWAL	
ANWAR AKTHER VALI	
KARAN KUMAR MAURYA	
HARSHIT RAJPUT	
DEVESH JUYAL	
MOHD ARIF KHAN	
MD ARIF	
RUBY RANA	
HARSHITA GUPTA	
JAYESH BHATT	
ANKIT PATEL	
ARPIT KHANULIA	
HARSH TYAGI	
ROSHAN KUMAR	
ANAND RAJ	

Name of Students	Name of Topics
Year/Sem -4/7	
ABHINAV TYAGI	• Project Exhibition
SANTOSH KUMAR YADAV	• Leadership talk 2022 Under
ARGHYA NATH	Honeywell
KARAN	
RAJANEESH KUMAR	• HackerRank Code
RAUSHAN RANJAN	
HIMANSHU TYAGI	• Workshop on Cross Platform tools
AKSHAT MITTAL	
ADITYA	for app development
ADITYA MALKANI	
BIRMANI KUMAR	
GAURAV SAINI	
AMAN RAI	
ANIKET RAJ	
MUKESH KUMAR	
JANM JAY KUMAR	
ASHUTOSH	
SANTOSH KUMAR	
YASH KUMAR	
ROHIT RAJ	

Action Taken: -

1. Motivated the students to participate in various events and activities.
2. Given the complex problems and assignments to enable them to enhance their problem-solving abilities.
3. Motivate the students to take the seminar in the class to improve the delivery method.
4. Encouraged the students to obtain the university ranks.
5. Guided them to enroll in online courses like NPTEL, and SWAYAM.

Impact Observed-

1. Increases the number of students participating in various contests.
2. Students have applied for the online courses.
3. Students are motivated to take the seminar in the classes.
4. An Increase in the number of students who went for the internship.

The below snapshot is for reference as the above events:

Quantum University

EVENT REPORT

Session :- 2022-23

- 1.) **Event ID :-** 20222907
- 2.) **Name of The Event :-** Technical Event
- 3.) **Organizing Department/ Club/Society :-** DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
- 4.) **Organizing Co-Ordinator :-** CHUNNU LAL
- 5.) **Date Start :-** 10/12/2022 **Date Finished :-** 10/12/2022
- 6.) **Time Start :-** 2:30PM **Time Finished :-** 4:20PM
- 7.) **Title :-** project exhibition
- 8.) **Invited Guest/Performer :-**
- 9.) **Affiliation of Guest :-** quantum school of technology
- 10.) **Audience (Departments) :-** B.Tech / 1 st / CSE, B.Tech / 1 st / CSE-CSCQ, B.Tech / 1 st / CSE-AIML, B.Tech / 3 th / CSE, B.Tech / 3 th / CSE-CSCQ, B.Tech / 3 th / CSE-AIML, B.Tech / 5 th / CSE-AIML, Diploma / 3 th / CSE, BCA / 1 st, BCA / 3 th, MCA / 1 st
- 11.) **Number of attendees :-** 48
- 12.) **Venue :-** B.Tech seminar hall
- 13.) **Brief Summary :-** Project Exhibition
- 14.) **Course OutComes :-**

S.No.	Course	Year/Sem	Branch	Subject	CO	PO
1	Bachelor of Technology	3	(Hons) in Computer Science and Engineering with Specialization in Artificial Intelligence and Machine Learning		CO2, CO3	PO1, PO10, PO11, PO3, PO5



A Glimpse Of Pictures From Project Exhibition Event Held In Quantum University

8. Intra Institutional Hackathon cum Project Exhibit

The Department of Computer Science and Engineering and Computer Applications in collaboration with 'The Genesis QUIC' has organized an In-House Event Hackathon cum Project Exhibit for the projects designed by students. The major objective of organizing this exhibit was to provide a platform and unleash the potential of the students by showcasing their innovative projects. In this event 63 students took part.

- There were two categories for the Exhibit one was Startups and the other was Projects based on Web and App Development.
- 100+ students participated in the Project Exhibit and more than 24 projects were displayed.
- The projects were judged based on the following criteria (Presentation, Communication, Future Scope as a Start-up, Functionality).
- Two teams won the event Team-8 (B. tech. Walleh) which showcased startup and Team-11 (syn-ack) which presented projects.



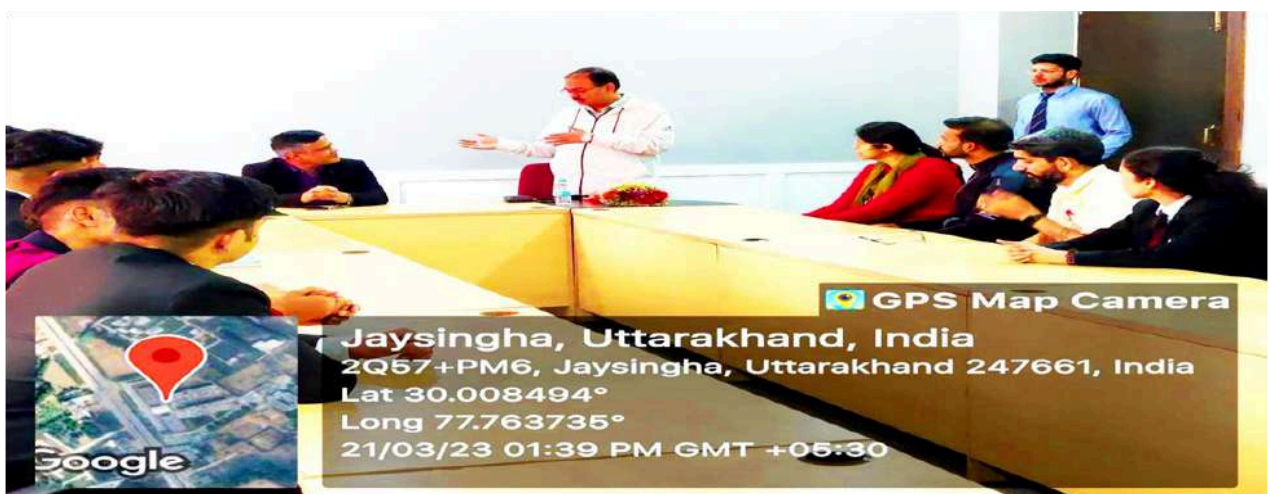
Take a Glance at the Hackathon cum Project Exhibit Picture



9. Founder Class (Interactive Session)

The Genesis QUIC organized an **interactive motivational session** on **21st March 2023** at Quantum University (Mini Auditorium), 52 students attended the program, and the goal was to ignite motivation and enthusiasm among participants, inspiring them to pursue their entrepreneurial dreams with renewed energy and determination. **Mr. Siddharth Gupta** and **Mr. Soumen Karmakar** delivered inspirational talks, sharing their personal experiences, challenges faced, and lessons learned along their entrepreneurial journeys.

Students were engaged in interactive exercises designed to stimulate creativity, problem-solving skills, and strategic thinking, enabling them to apply the concepts learned during the session. Real-world case studies were analyzed and discussed, allowing students to gain practical insights into successful business strategies and tactics. Students actively participated in group discussions, sharing their challenges, seeking advice, and brainstorming solutions collectively.



Engaging students with real-world case studies were analyzed and discussed, allowing students to gain practical insights into successful business strategies and tactics