



**REPORT ON**  
**LUCKNOW UNIVERSITY CONSULTANCY CLINIC (LUCC)**  
**INTERACTION WITH**  
**FACULTY OF ENGINEERING AND TECHNOLOGY**  
**DATE – 07<sup>TH</sup> JUNE, 2021**  
**TIME 2.30PM**

The screenshot displays a video conference interface. At the top, the University of Lucknow logo is on the left and the PARA MARSH logo is on the right. The main title of the presentation is **EXCLUSIONS** in large orange letters. Below the title, four boxes list the exclusions: **External Examiner-Ship** (purple box), **Editorship of Academic Journals or the Publication of Academic** (light blue box), **Lectures and Conference Presentations** (purple box), and **Royalties from Authorship and Publication of Books** (light blue box). The bottom of the screen shows a grid of participant video feeds. The first row includes DR NISHANT K..., a woman in a plaid shirt, a man in a blue shirt, a man in a white shirt, and a man in a blue shirt. The second row includes a man in a brown shirt, a blue box with the letter 'P', Dr Anupam K Tri..., and Kamlesh Tiwari. A right arrow icon is visible in the bottom right corner of the participant grid.

To sensitize and inform the teachers of Faculty of Engineering about the aims, objectives and vision of Lucknow University Consultancy Clinic (LUCC) called *PARAMARSH* the first among many interactive meetings was conducted via online medium at ZOOM platform (Zoom id – 89751566865; Password: engineer) at 14:30 PM, on 7 June 2021. A total of 63 teachers attended the meeting.

The meeting was kick started by a welcome and an introduction session delivered by Dr. Ritu Narang, Director LUCC *PARAMARSH*. In this session, she eloquently explained the vision and tenets of *PARAMARSH* with the help of power point presentation. She was diligently assisted by Dr. Anupma Singh. She explained the Consultancy Policy and procedures. While highlighting the benefits of Consultancy, she motivated the participants to openly share their areas of expertise and come up with suggestions to take this initiative forward.

This noble and novel initiative was happily received by all the attending participants. Led by Prof. R.S. Gupta, Dean Faculty of Engineering & Technology, a number of ideas and possibilities poured in from many enthusiastic faculty members. He highlighted the issue of difference between ‘Testing’ and ‘Consultancy’. Prof. R.S Gupta informed that the Faculty has been previously carried out a civil consultancy assignment.

**Following Areas were identified for Consultancy:**

- Er. Chandrabhan Singh, In-charge, Department of Computer Science Engineering spoke about CSI (Computer Society of India) membership. His department could do Software development using object-oriented language, enter into consultancy contract with affiliated colleges to do in-house training of their teachers and students.
- Er. Gaurav Srivastava, In-charge, Department of Civil Engineering, FoET, suggested that areas in which his department can provide consultation are – on site design specifications, environment impact assessment for construction companies.
- Dr. Shailendra Kumar Bhaskar, In-charge, Department of Electrical Engineering, FoET, presented the consultancy services in the areas like- Energy Audit (Dr. Gaurav Gupta and his team), Testing of Transformer oil, Designer cost elimination, solar panel and solar cooker.
- Dr. M.K. Jain, In-charge, Department of Electronics & Communication Engineering, FoET, put forth his team’s expertise in Automation and Circuit Designing for purpose solving.
- Er. Kamlesh Tiwari, In-charge, Department of Mechanical Engineering, FoET, stated that Tensile Testing, Impact testing and Microstructure are areas where potential clients could be tapped.
- Dr. Anupam Kumar Tripathi, In-charge, Department of Applied Science & Humanities, FoET shared expertise regarding e-waste management (Zinc Nanoparticles from Digital Waste) and further discussed on prospective of grooming and training (Professional Communication Lab).

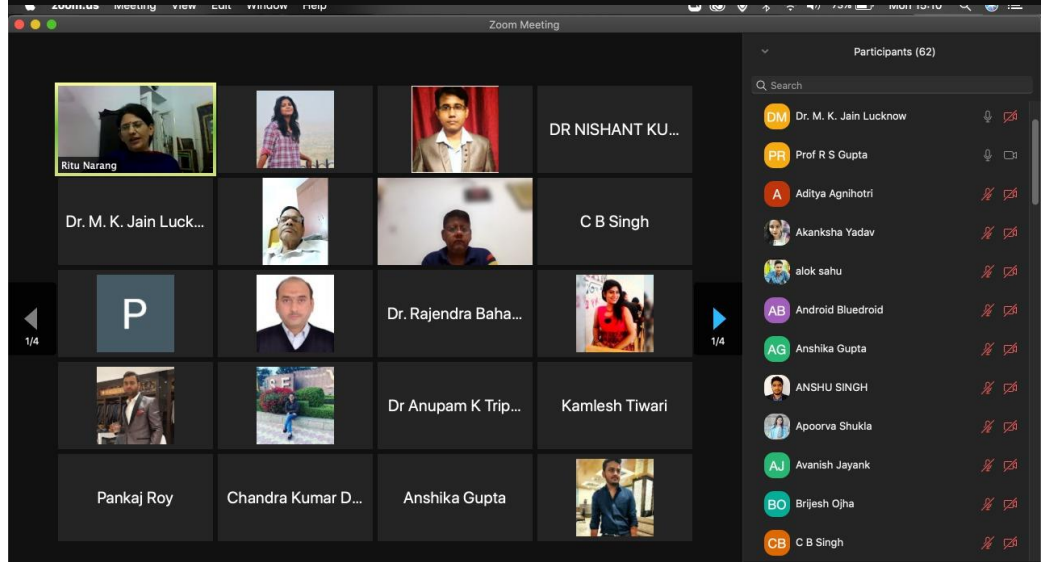
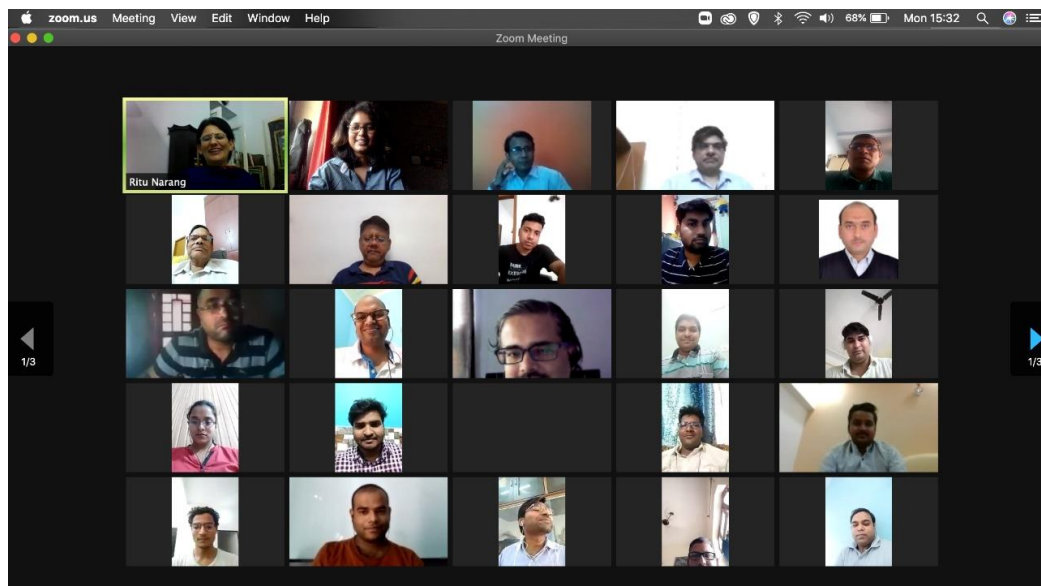
It was decided that Faculty of Engineering would undertake following activities and join hands with LUCC to promote consultancy in Engineering:

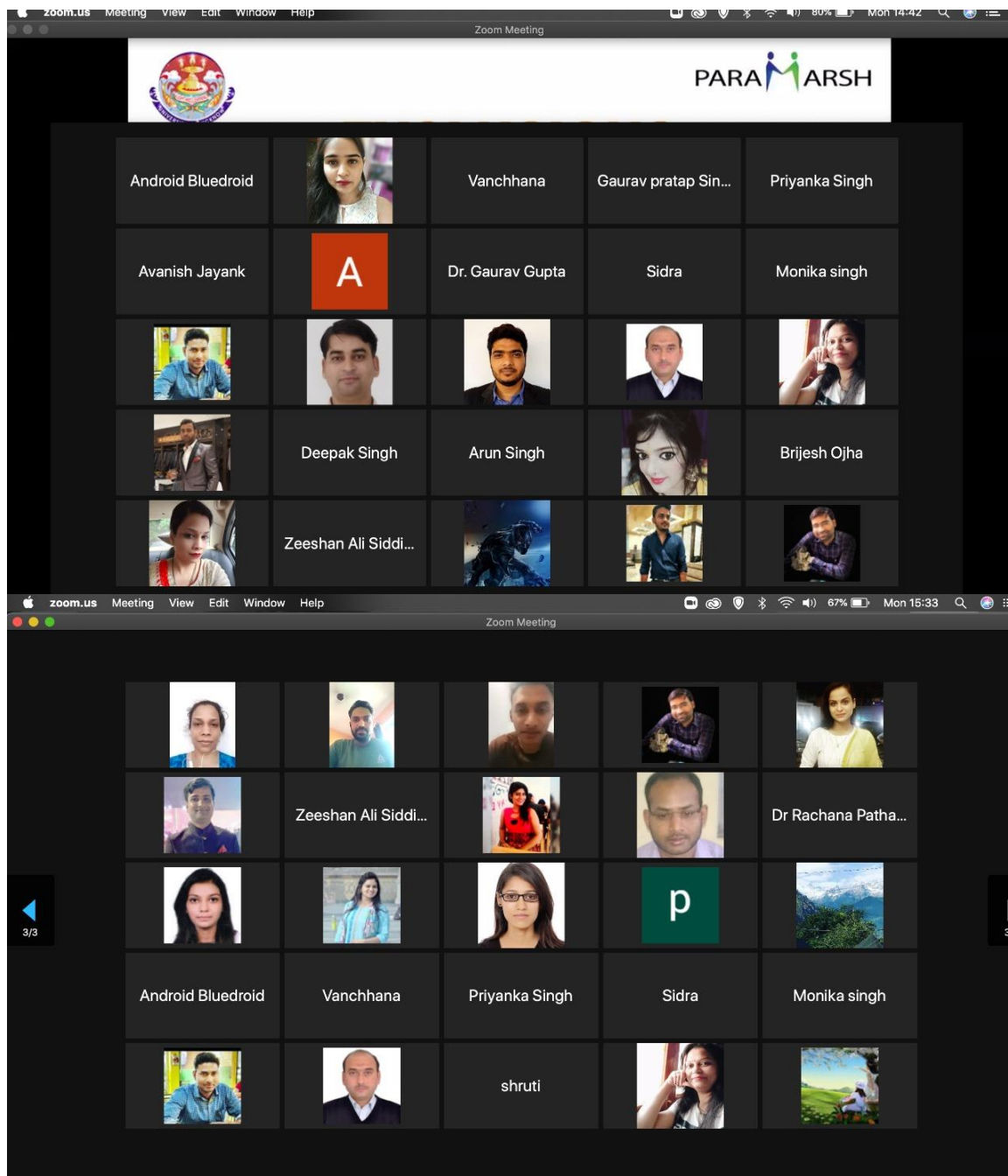
- Prepare List of Potential Clients (Civil Engineering, Electrical Engineering, Electronics & Communication Engineering, Mechanical Engineering, Applied Science & Humanities) and share their contact details with LUCC.
- Prepare a Short Video Clip exhibiting expertise on Consultancy Services
- Explore the possibilities to collaborate with LMC regarding waste management
- Nominated Teacher Representatives & Contact Persons from FoET- Dr. M.K. Jain & Dr. R.P. Singh

**Further details shared by the Faculty are as follows:**

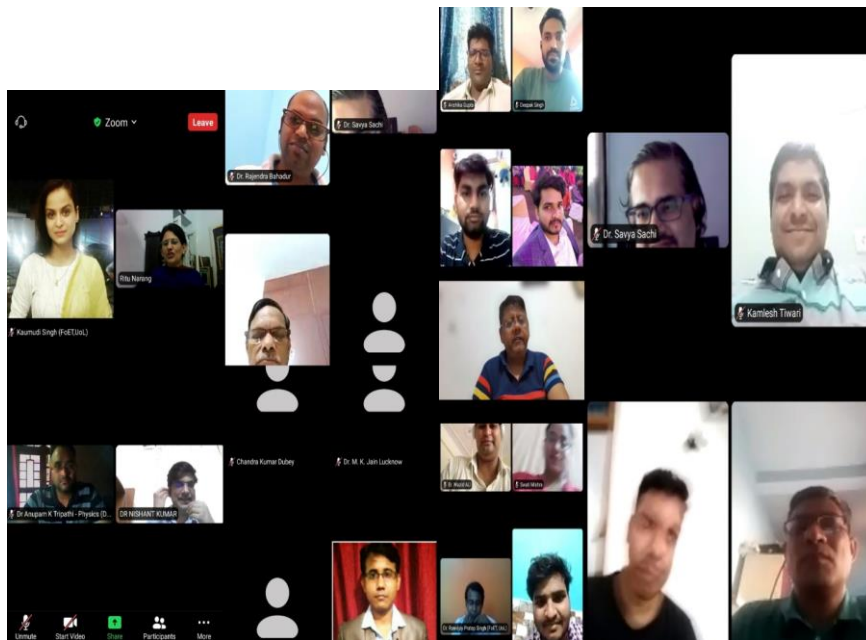
- Consultancy Areas: Annexure 01
- Names of interested teachers in Consultancy: Annexure 02











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## Participants (63)

	Kaumudi Singh (FoET,UoL) (me)			
	Ritu Narang (Host)			
	Anupama Singh (Co-host)			
	C B Singh			
	Dr. Ranvijay Pratap Singh (FoET, UoL)			
	Prof R S Gupta			
	Aditya Agnihotri			
	Akanksha Yadav			
	alok sahu			
	Android Bluedroid			
	Anshika Gupta			
	ANSHU SINGH			

## **Annexure 01**

### **Identified Consultancy Areas: Department wise**

#### **CIVIL ENGINEERING DEPARTMENT**

1. Water & waste water Treatment
3. Solid Waste Management
4. E-waste Management
5. Rain Water Harvesting
6. Aggregate Testing
7. Concrete Testing Building Material Testing
8. Cement Testing
9. Brick Testing
10. Bitumen Testing
11. Soil Testing

#### **MECHANICAL ENGINEERING**

1. Tensile Testing
2. Compression Testing
3. Impact Testing
4. Pollution testing
5. Bending Testing
6. Hysteresis Testing
7. Torsion Testing
8. Hardness Testing
9. Microstructure
10. Spring Testing
11. Calorific Values Testing

#### **CENTRAL WORKSHOP**

1. Lathe Machining Works
2. Milling Machining Works
3. Welding Works
4. Carpentry Works
5. Sheet Metal Works

#### **COMPUTER SCIENCE & ENGINEERING**

1. Data Mining
2. Machine Learning
3. Fuzzy Logic
4. Software development using Object Oriented Approach
5. Blockchain
6. Wireless Sensor Network
7. Data Analysis
8. Business Analyst
9. Semantic Web

#### **ELECTRICAL ENGINEERING**

1. Design and cost estimation for Wiring of Buildings
2. Testing of Dielectric Strength of Transformer Oil
3. Energy Audit
4. Design & Cost estimation of Solar-PV System

5. Design & Cost estimation of Solar water heating system, Solar Cooker and Solar Drier
6. Calibration of Ammeter & Voltmeter

#### **ELECTRONICS & COMMUNICATION ENGINEERING**

1. Automation & Calibration
2. Analog, Digital Circuit & PCB Design

#### **APPLIED SCIENCE & HUMANITIES**

1. Waste Water Treatment
2. Solid Waste Management
3. Rain Water Harvesting
4. Corporate Communication
5. Corporate Training
6. Life Skill Training
7. Voice & Accent Training
8. Behavioral Training
9. Leadership Training
10. Building Corporate Negotiation Framework

### **Annexure 02**

#### **Names of Teachers interested in Consultancy**

##### **CIVIL ENGINEERING DEPARTMENT**

Er. Gaurav Srivastava
Er. Jitendra Pratap Singh
Er. Kalpana Patel
Er. Nidhi Srivastava

##### **MECHANICAL ENGINEERING DEPARTMENT**

Er. Kamlesh Tiwari
Dr. Rajendra Bahadur
Er. Sandeep Kumar Gupta
Er. Prashant Kumar Singh

##### **COMPUTER SCIENCE & ENGINEERING DEPARTMENT**

Er. Chandrabhan Singh
Er. Zeeshan Ali Siddiqui
Er. Rohit
Dr. Himanshu Pandey
Er. Akanksha Yadav
Er. Anshu Singh
Er. Priyanka Tripathi
Er. Shruti Saxena Das
Er. Pankaj Kumar



### **ELECTRICAL ENGINEERING DEPARTMENT**

Dr. Shailendra Kumar Bhaskar
Er. Wazid Ali
Er. Pawan Kumar Singh
Dr. Gaurav Gupta

### **ELECTRONICS & COMMUNICATION ENGINEERING DEPARTMENT**

Dr. Manoj Kumar Jain
Dr. Siddharth Singh
Er. Priyanka Singh
Er. Sushil Kumar Gupta
Er. Avanish Kumar Jayank

### **APPLIED SCIENCE & HUMANITIES DEPARTMENT**

Dr. Anupam Kumar Tripathi
Dr. Shashi Bala
Dr. Ranvijay Pratap Singh
Dr. Rachana Pathak
Dr. Savya Sachi
Dr. Deepak Gupta
Dr. Khushboo Verma
Ms. Kaumudi Singh
Dr. Isha Singh