

## 7 Days Online FDP on “Tool Construction

# 7 DAY FACULTY DEVELOPMENT PROGRAM ON TOOL CONSTRUCTION



Organized by  
**Jyoti College of Management  
Science and Technology, Bareilly, U.P.**



In collaboration with  
**INDIAN TEACHER EDUCATION COMMUNITY**  
(MSME, UDYAM-23-0019505)

**05 March to 11 March 2022**

**Registration Fee 500/-**  
**Limited 200 Seats Only**



Resource Person

**Prof. S.K. TYAGI**

- ICSSR Senior Fellow, DAVV, Indore
- Member, Governing Board, IUCTE, Varanasi
- Reviewer, Teaching and Teacher Education-International Journal, US; Indian Educational Review, NCERT; Education India Journal-Online
- Former Dean & Head, School of Education, Devi Ahilya University, Indore
- Former Member, Departmental Advisory Board, DTE, NCERT



**Dr. Pramod Kumar Gupta**  
Founder - ITEC, Indore &  
Assistant Professor  
(Contractual)  
RIE, NCERT, Bhubaneswar

Click Here

For Registration

<https://forms.gle/y1QFpotQdgnuWPBE9> 

## Programme Schedule

**Timings : 2.00 to 03.30 pm**

Day	Date	Topic
1	05.03.22	Dr . Pramod kumar Gupta -Tools of Research -Meaning and types
2	06.03.22	Dr . Pramod kumar Gupta -Developing a Questionnaire
3	07.03.22	Dr . Pramod kumar Gupta -Tests Types and Construction
4	08.03.22	Dr . Pramod kumar Gupta -Scale -Meaning Types and Preparation
5	09.03.22	Dr. S.K. Tyagi – Using factor analysis in tool development
6	10.03.22	Dr. S.K. Tyagi – Tool standardization -Conceptual basis
7	11.03.22	Dr. S.K. Tyagi – Tool standardization using SPSS

Target Group: Research Scholars, Professors, Teachers, Educators, Educationists etc.  
E-Certificates Will be issued to all the Registered Candidates.  
Medium of Teaching Would Be Bilingual (Hindi/English).



**Patron**  
**Dr. Shailendra Singh**  
Chairman,  
JCMST, Bareilly, U.P.



**Mr. D. D. Sharma**  
Managing Director,  
JCMST, Bareilly, U.P.



**Mr. Akhilendra Singh**  
Deputy Director,  
JCMST, Bareilly, U.P.



**Dr. Anita Chauhan**  
Principal,  
JCMST, Bareilly, U.P.



**Convenor**  
**Dr. Pratibha Rastogi**  
JCMST, Bareilly, U.P.



**Organising Secretary**  
**Himanshu gangwar**  
Coordinator of Education Department,  
JCMST, Bareilly, U.P.



### About The Institute

Jyoti College of Management Science and Technology has started its journey from the year 2000. During the period of 22 golden years JCMST has thrived in the field of education and enriched with various departments like Education, Management and Nursing. The campus of the college has more than 01.9 Hect. land and lush green field with open ground for co-curricular and sports activities; and well maintained buildings in a pollution free zone far from the crowd of city.

JCMST campus is one of the renowned institutes of Bareilly with equipped labs, good classrooms and very rich separate libraries as per the requirements of the students of education, management and nursing. All the departments are enriched with well qualified faculty members to guide the students for their better future and making them good citizen of the society and the country too. The supportive and dynamic environment of JCMST always helps the students to discover the new experiences and touch the heights of success.

## **Co-Convenor**

**Indian Teacher Education Community Group**

**Contact No: +91-8400741999**

**Email: [Indianteachereducationcom20@gmail.com](mailto:Indianteachereducationcom20@gmail.com)**

Please Click Here For Our Social Media Account

<https://linktr.ee/itec.com>

### **Account Details:**

**Account Name : Indian Teacher Education Community**

**Bank : Bank of Baroda**

**Account Number : 05020200004066**

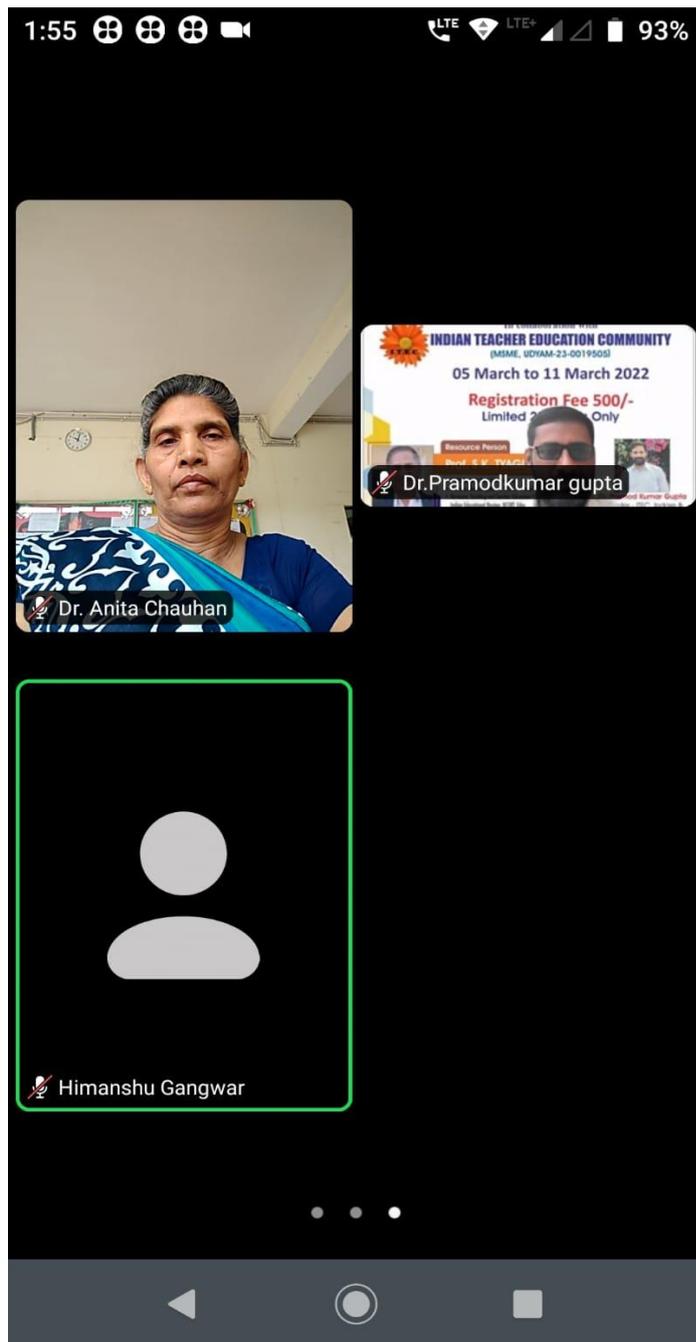
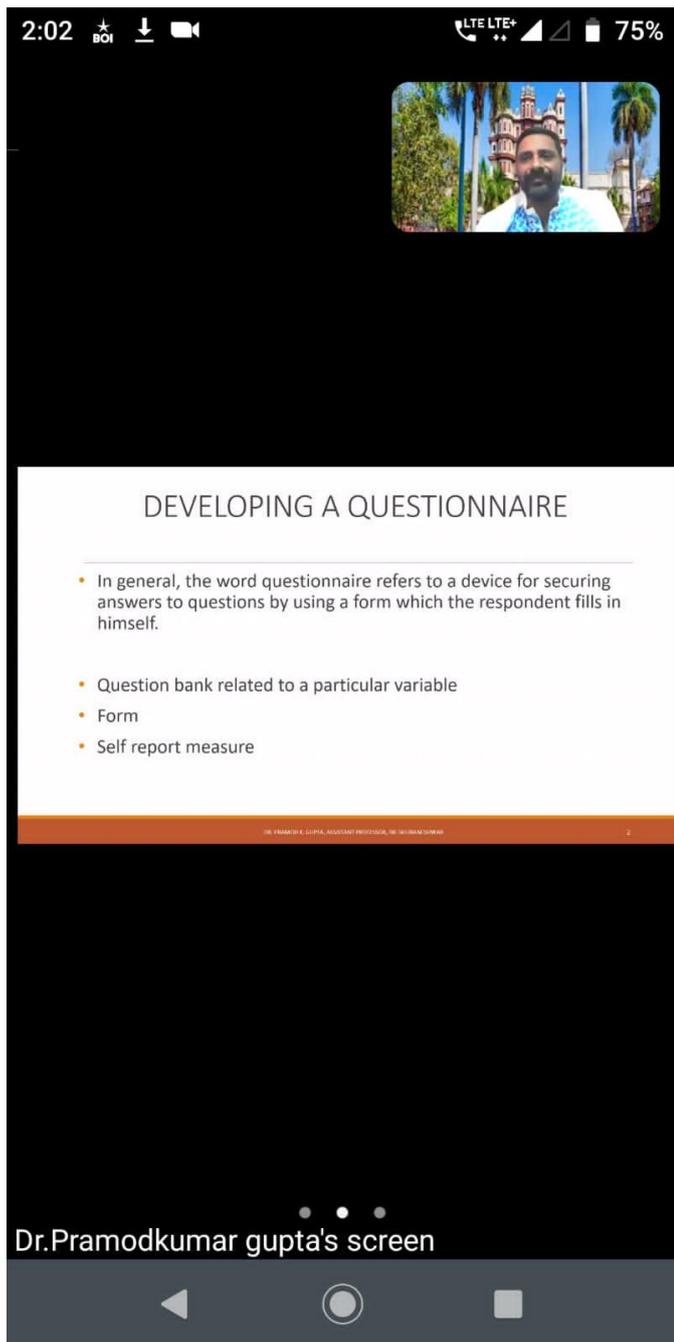
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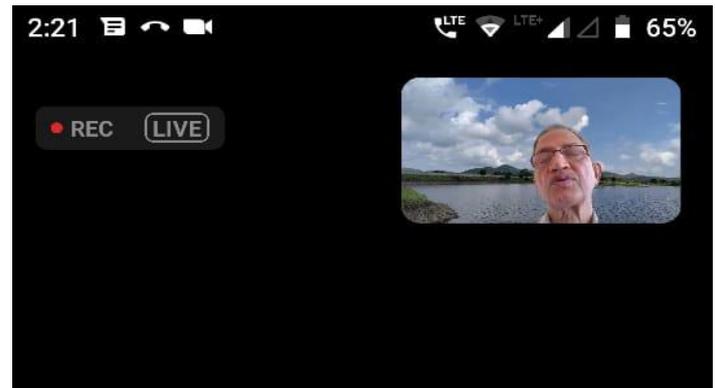
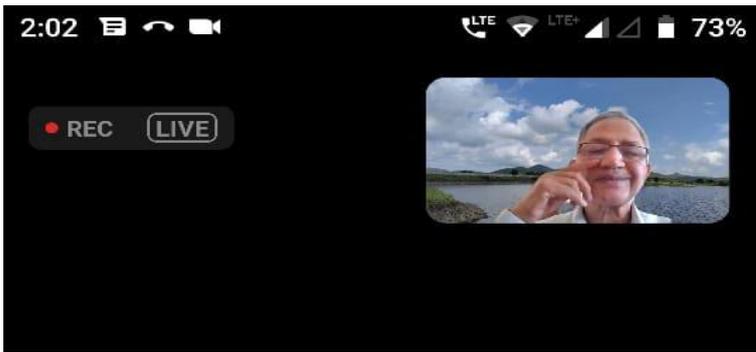
**Branch : Siaganj, Indore M.P.**

**Payment can be made Through Internet Banking,**

**GooglePay, Paytm**

**Mobile no: 8400741999**





# TOOL STANDARDIZATION USING SPSS

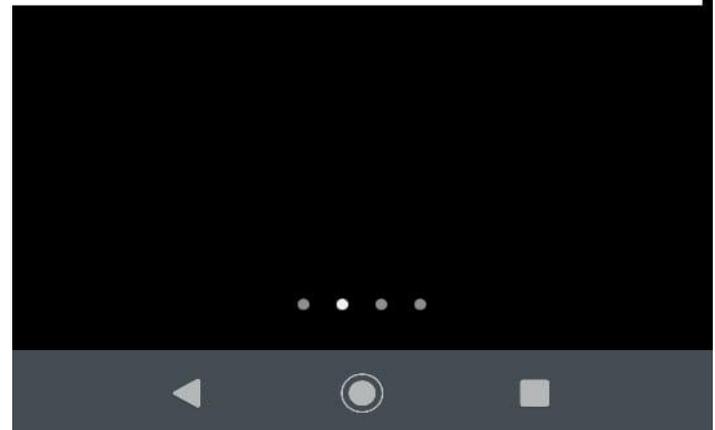
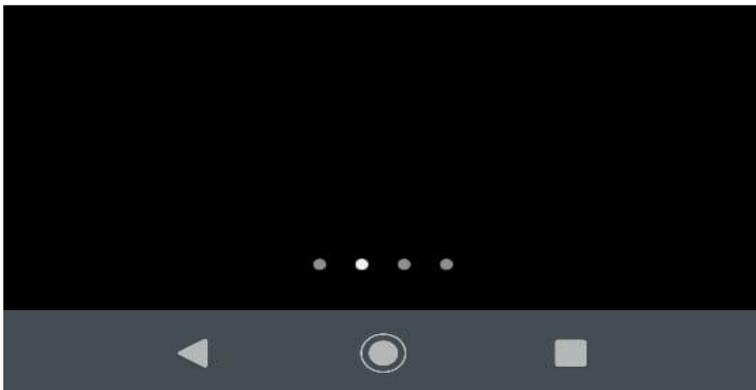
PROF. S. K. TYAGI  
FORMER DEAN & HEAD, EDUCATION  
DAVV, INDORE

## ITEM DISCRIMINATION INDEX: STEPS

- Find the 'Sum' of all the scores using 'compute' under the Transform option of the SPSS.
- Arrange the Sum of scores in descending order by using 'Sort cases' under 'Data' option of SPSS.
- Label top 5 scores as 1 and bottom 5 scores as 2 as new variable values
- Ignore the rest of the scores.
- Rename this new variable [Var 001] as Ability group or simply 'group'.
- Specify the values of this categorical variables [1=upper; 2=Lower group]

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LTE LTE+ 87%

REC



1:57 [status icons] 75%

Dr. Anita Chauhan

Dr. Pramodkumar gupta

Himanshu Gangwar

[Navigation icons]

2:21 [status icons] 65%

REC LIVE

### ITEM DISCRIMINATION INDEX: STEPS

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LTE LTE 91%

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Dr. Anita Chauhan



Dr.S.K.Tyagi



Himanshu Gangwar



Dr. Pratibha Rastogi

