



Department of Fabric and Apparel Science

About the department:

Department of Fabric and Apparel science aims at the following objectives

- To create awareness of current trends, recent developments and technological changes happening in the field of Fabric and Apparel Science.
- To appreciate the heritage of textiles to draw inspiration for the present.
- To equip students with necessary knowledge and skills for creative, managerial and technical careers as well as entrepreneurship.

The Textile and apparel sector is a vital constituent of the Indian economy and a significant provider of employment and self-employment opportunities. The Department offers B.Sc degree in Home Science (Hons.) and (Pass), M.Sc. degree in Fabric and Apparel Science as well as PhD degree, which is designed to cater to the needs of the textile and clothing industry as well as the education sector.

The Department has well equipped laboratories for imparting hands-on training to our students. Students are given the opportunity to gain first hand practical knowledge on drafting blocks and making basic/ advance patterns. dyeing and printing of textiles, garment manufacturing and fabric testing. To further enhance students' exposure, various field visits are planned throughout the year.

The course balances traditional textiles and design on one end, fabric and garment processing and quality control on the other end. The students are given extensive theoretical knowledge as well as practical input by way of rigorous experimental work, portfolio development and industrial training.

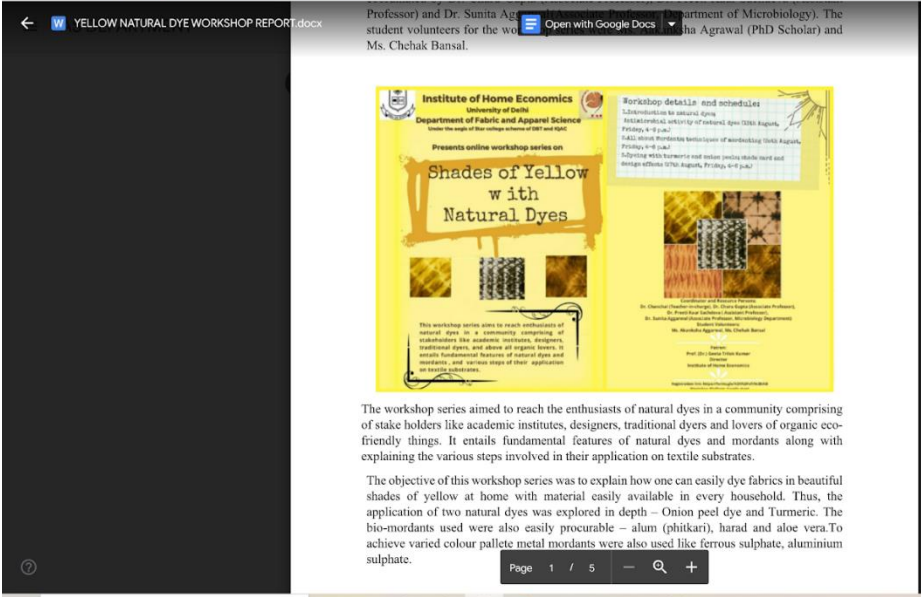
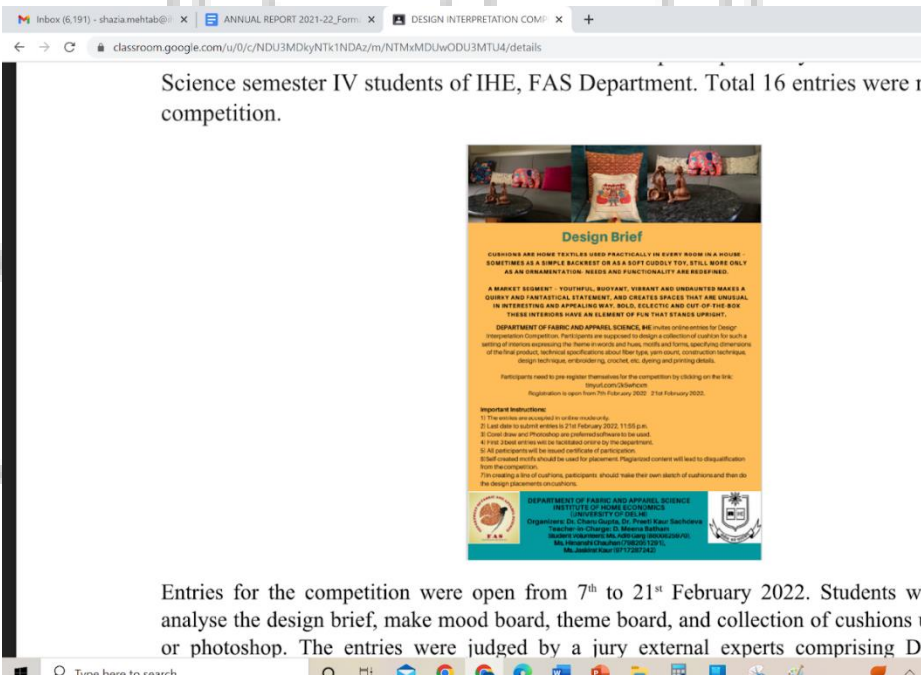
The two year long Masters programme provides in-depth research and documentation as dissertation. The student of M.Sc. study papers on Advanced Fabric Science and Quality Assurance, Pattern Making and Apparel Production, World Textiles, Dyeing and Printing, and Marketing and Merchandising.

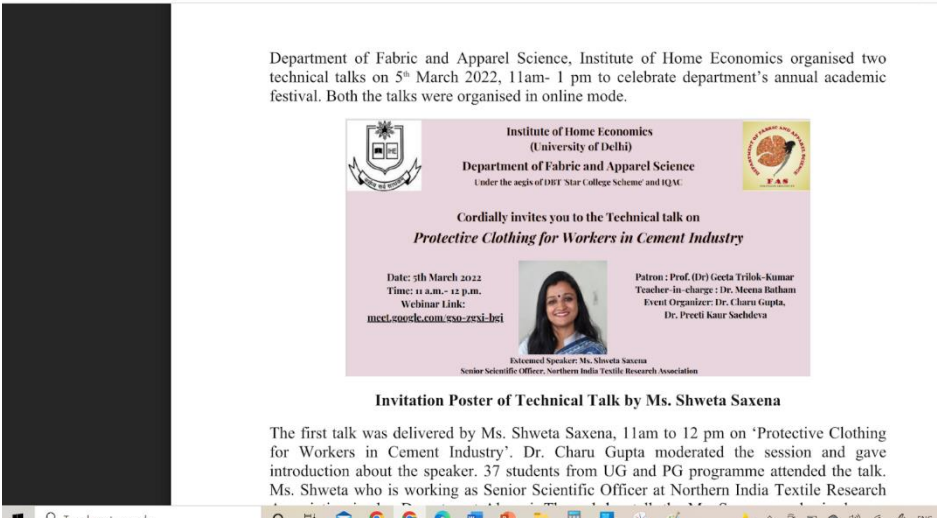
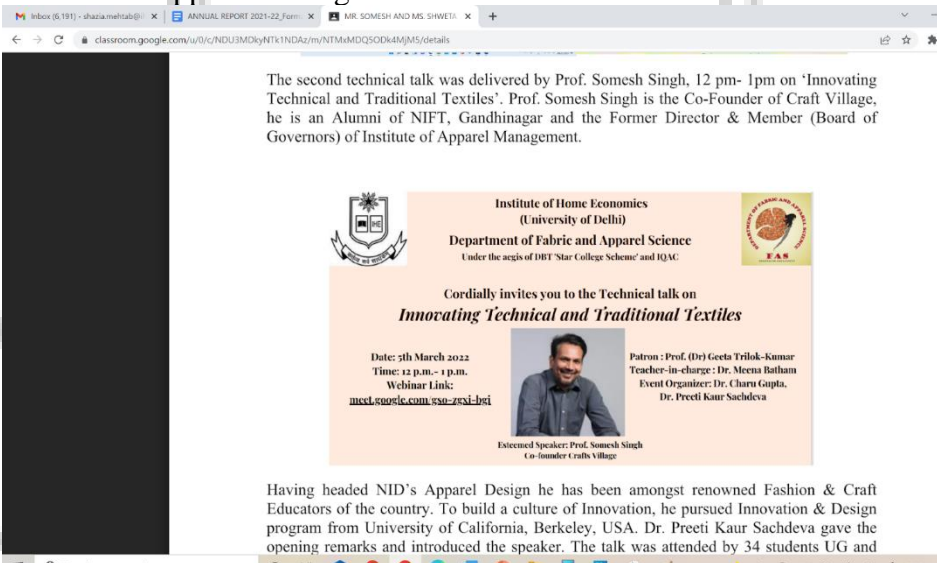
Students have various job options after completing the course, in dyeing and printing houses, craft based NGOs, and in apparel production centres as designers, merchandisers or quality control and textile testing labs as well as in academics.

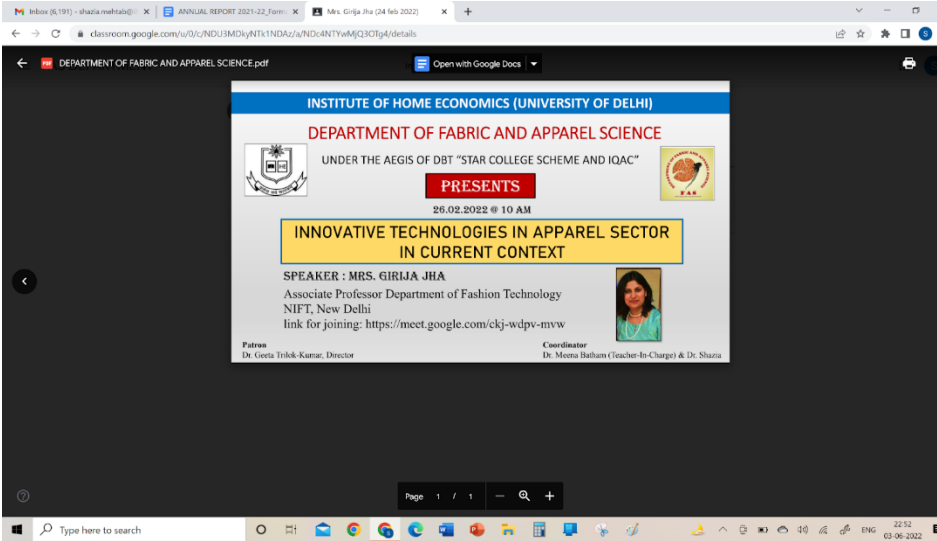
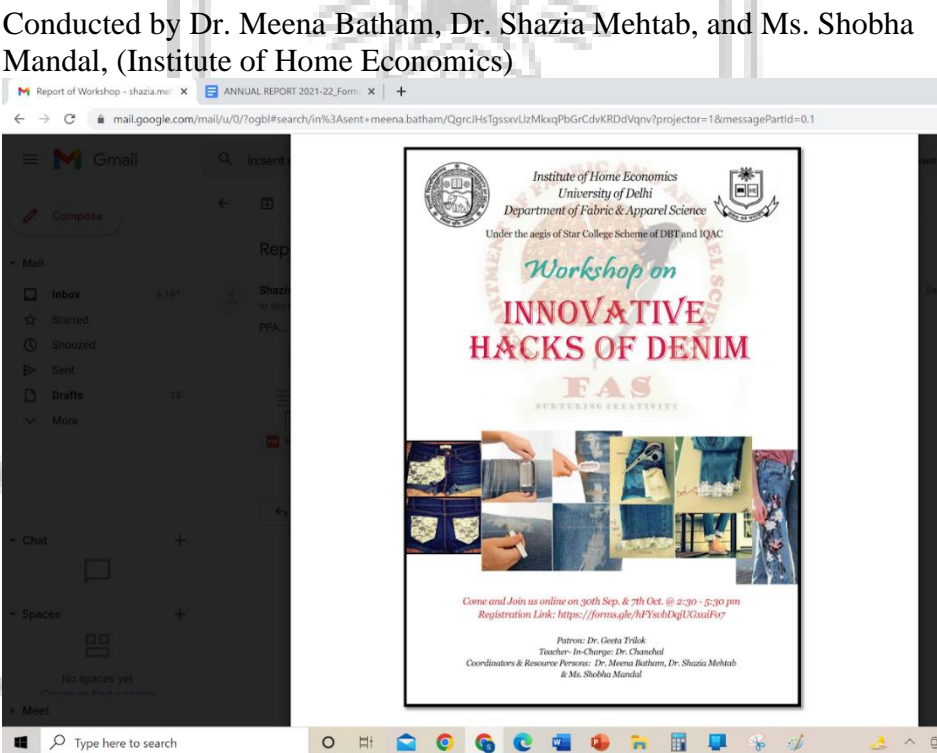
Various activities carried out by the department from July 2021- June 2022

Workshops/Seminars/Lectures Organized by the departments

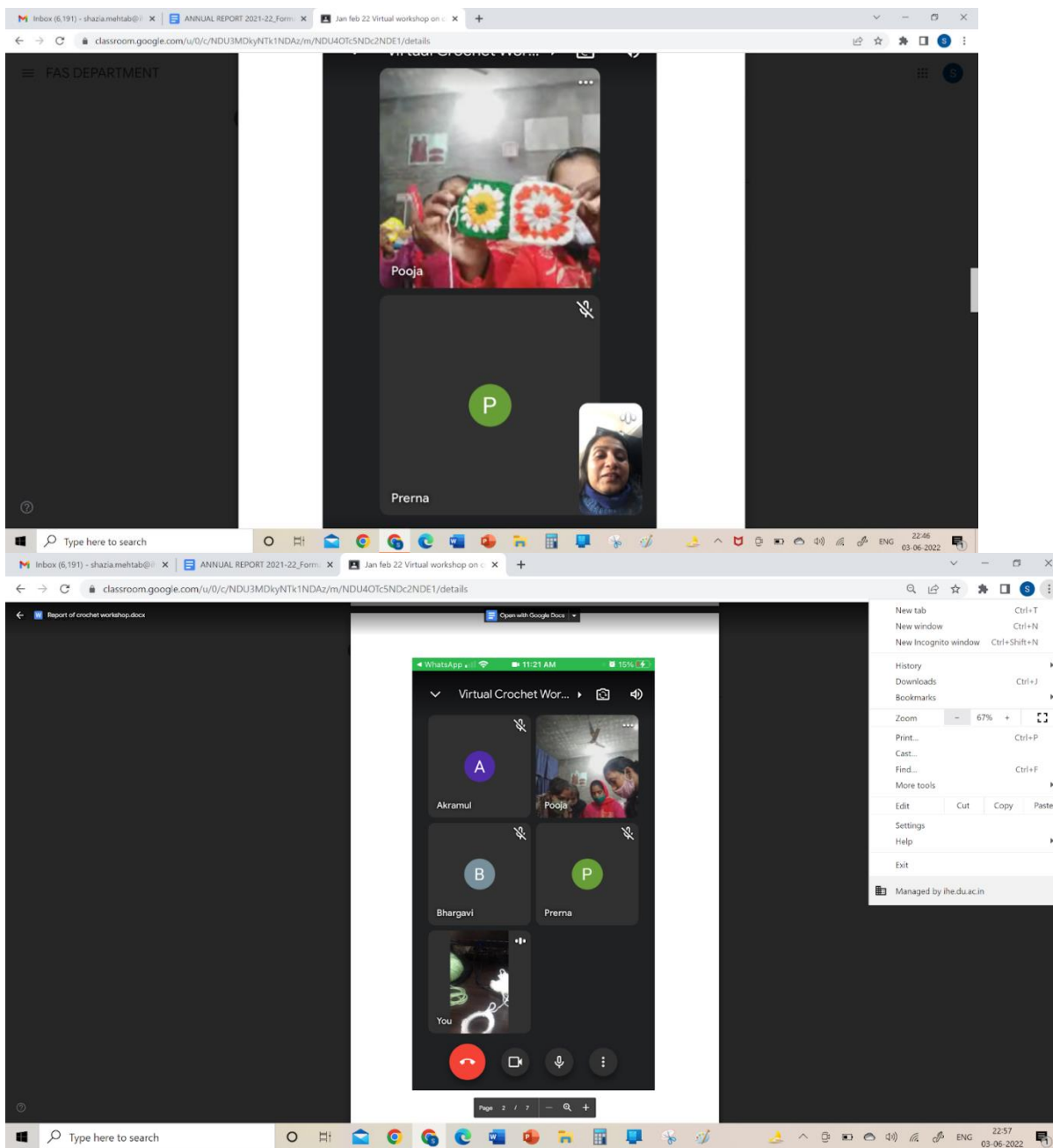
Title	Resource person/organization	Month/year & Online/Offline
Workshop series: Shades of Yellow with Natural Dyes	Dr. Charu Gupta (Associate Professor), Dr. Preeti Kaur Sachdeva (Assistant Professor) and Dr. Sunita Aggarwal (Associate Professor, Department of Microbiology).	Online: August'2021 (13 th , 20 th and 27 th August, 4:00- 6:00 pm.)

	 <p>Professor) and Dr. Sumita Ag... Department of Microbiology). The student volunteers for the wo... Sha Agrawal (PhD Scholar) and Ms. Chehak Bansal.</p> <p>Institute of Home Economics University of Delhi Department of Fabric and Apparel Science</p> <p>Presents online workshop series on</p> <h3>Shades of Yellow with Natural Dyes</h3> <p>Workshop details and schedules: 1. Introduction to natural dye 2. Historical evolution of natural dye (13th August, Friday, 6-8 pm) 3. All about mordants (benefits of mordanting) (14th August, Friday, 6-8 pm) 4. Dyeing with mordants and color (including mordant and mordant effects) (15th August, Friday, 6-8 pm)</p> <p>This workshop series aims to reach enthusiasts of natural dyes in a community comprising of stakeholders like academic institutes, designers, traditional dyers and lovers of organic eco-friendly things. It entails fundamental features of natural dyes and mordants along with explaining the various steps involved in their application on textile substrates.</p> <p>The objective of this workshop series was to explain how one can easily dye fabrics in beautiful shades of yellow at home with material easily available in every household. Thus, the application of two natural dyes was explored in depth – Onion peel dye and Turmeric. The bio-mordants used were also easily procurable – alum (phitkari), harad and aloe vera. To achieve varied color palette metal mordants were also used like ferrous sulphate, aluminium sulphate.</p>	
<p>Design interpretation competition: to design range of cushions. The</p>	<p>Dr. Charu Gupta and Dr. Preeti Kaur Sachdeva</p>  <p>Science semester IV students of IHE, FAS Department. Total 16 entries were received for the competition.</p> <p>Design Brief</p> <p>CUSHIONS ARE HOME TEXTILES USED PRACTICALLY IN EVERY ROOM IN A HOUSE. SOMETIMES AS A SIMPLE BACKREST OR AS A SOFT CUDDLY TOY, STILL MORE ONLY AS AN ORNAMENTATION. NEEDS AND FUNCTIONALITY ARE REDefined.</p> <p>A MARKET SEGMENT - 'YOUTHFUL, BUOYANT, VIBRANT AND UNBANNED MAKES A QUINCY AND PASTORICAL STATEMENT, AND CREATES SPACES THAT ARE UNUSUAL, INTERESTING AND APPELLING WAY. BOLD, ECCENTRIC AND CUT OF THE BOX. THESE INTERIORS HAVE AN ELEMENT OF FUN THAT STANDES UPSTAY.</p> <p>DEPARTMENT OF FABRIC AND APPAREL SCIENCE, IHE invites online entries for Design Interpretation Competition. Participants are required to design a collection of cushion for such a setting of spaces respecting the home materials, colors, motifs and forms, specifying dimensions of the final product, technical specifications about fiber type, yarn count, construction technique, design technique, embroidery, crocheted etc. during and printing details.</p> <p>Participants need to pre-register themselves for the competition by clicking on the link: http://www.ihedelhi.ac.in</p> <p>Registration is open from 7th February 2022 - 21st February 2022.</p> <p>Important instructions:</p> <ol style="list-style-type: none"> 1) The entries are accepted in soft file (hardcopy). 2) Last date to submit entries is 21st February 2022, 11:59 p.m. 3) Color, Size and Photoshop are preferred software to be used. 4) Final choice will be selected on-site by the department. 5) All participants will be issued certificate of participation. 6) Final created visuals should be used for presentation. Prepared content will lead to disqualification from the competition. 7) Creating a line of cushions, participants should take their own sketch of cushions and then do the design placements on cushions. <p>DEPARTMENT OF FABRIC AND APPAREL SCIENCE INSTITUTE OF HOME ECONOMICS UNIVERSITY OF DELHI Organizers: Dr. Charu Gupta, Dr. Preeti Kaur Sachdeva In-charge: Dr. Shweta Saxena Member in Charge: Dr. Shweta Saxena Member: Dr. Shweta Saxena, Dr. Preeti Kaur Sachdeva, Dr. Charu Gupta Ms. Anshika Kaur (9112387442)</p> <p>Entries for the competition were open from 7th to 21st February 2022. Students were to analyse the design brief, make mood board, theme board, and collection of cushions using Photoshop. The entries were judged by a jury of external experts comprising Dr. A.</p>	<p>online: 7th to 21st February 2022.</p>
<p>TECHNICAL TALKS: 'Protective Clothing for Workers in Cement Industry'.</p>	<p>Ms. Shweta Saxena, (NITRA Ghaziabad)</p>	<p>online: 5th MARCH 2022</p>

	 <p>Department of Fabric and Apparel Science, Institute of Home Economics organised two technical talks on 5th March 2022, 11am- 1 pm to celebrate department's annual academic festival. Both the talks were organised in online mode.</p> <p>Invitation Poster of Technical Talk by Ms. Shweta Saxena</p> <p>The first talk was delivered by Ms. Shweta Saxena, 11am to 12 pm on 'Protective Clothing for Workers in Cement Industry'. Dr. Charu Gupta moderated the session and gave introduction about the speaker. 37 students from UG and PG programme attended the talk. Ms. Shweta who is working as Senior Scientific Officer at Northern India Textile Research</p>	
<p>TECHNICAL TALKS: 'Innovating Technical and Traditional Textiles'.</p>	<p>Prof. Somesh Singh, Co-Founder of Craft Village, Alumni of NIFT, Gandhinagar and Former Director & Member (Board of Governors) of Institute of Apparel Management.</p>  <p>The second technical talk was delivered by Prof. Somesh Singh, 12 pm- 1pm on 'Innovating Technical and Traditional Textiles'. Prof. Somesh Singh is the Co-Founder of Craft Village, he is an Alumni of NIFT, Gandhinagar and the Former Director & Member (Board of Governors) of Institute of Apparel Management.</p> <p>Having headed NID's Apparel Design he has been amongst renowned Fashion & Craft Educators of the country. To build a culture of Innovation, he pursued Innovation & Design program from University of California, Berkeley, USA. Dr. Preeti Kaur Sachdeva gave the opening remarks and introduced the speaker. The talk was attended by 34 students UG and</p>	<p>online: 5 th MARCH 2022</p>
<p>TECHNICAL TALK "INNOVATIVE TECHNOLOGIES IN APPAREL SECTOR IN CURRENT CONTEXT"</p>	<p>Mrs. Girija Jha, Associate professor, Department of Fashion technology, NIFT Delhi.</p>	<p>online: 26 th February 2022</p>

		
<p>Workshop “Innovative hacks Denim” of</p>	<p>Conducted by Dr. Meena Batham, Dr. Shazia Mehtab, and Ms. Shobha Mandal, (Institute of Home Economics)</p> 	<p>online: 30th September 7 th October 2021</p>

Extension & outreach activities of the department (Title/Date/No. of participants/Mode etc.)
 Dr. Jyoti Aggarwal organised a Community outreach workshop, Online Workshop on Crochet for skill upgradation of marginalized women in Bareilly (31 January 2022, 1 February 2022)



SCHOLASTIC ACHIEVEMENTS AND STUDENT ACTIVITIES

Merit achieved by students in university exam/any awards received by students

Shavali Sahni, student of M.Sc (Fabric and Apparel Science) received the University Medal in 2021.

Student internships:

15 students of M.Sc. FAS had undergone training as part of an internship program during May-Aug 21. Internship was mainly conducted in an online mode with minimum personal interaction as the University guidelines. 11 students took up online courses while 2 students worked on department projects to develop ICT material. Three students worked with boutiques and learnt the product development process. The students were continuously mentored by the faculty. Students were supposed to make presentations regarding work done on a weekly basis. Mentors gave guidance to students throughout the internship so that students could gain maximum from the project undertaken by them.

At the end of the Internship all the students submitted reports and gave presentations explaining work carried out by them. It was an enriching experience for the students. All the students were marked for the internship.

DETAILS OF INTERNSHIPS TAKEN UP BY STUDENTS

S.No.	Name	Organization	Name of course	Duration	Starting date	End date
1	Jaskirat Kaur	Marketerella	Digital Marketing	8 weeks (160 hours)	15/05/21	15/07/21
2	Vaani Gogia	Information & communication technology (ICT) Department Project	Fashion styling & Image design	5 Weeks	8/07/21	11/08/21
3	Tanu Aggarwal	London School of Trends (LST)	Learn from Manish Malhotra	4 weeks	15/07/21	11/08/21
4	Deepanjali	Udemy	Social media marketing agency: digital marketing +business	52 hours	15/07/21	15/08/21
5	Aditi Garg	London School of Trends	Learn from Manish Malhotra	4 weeks	15/07/21	14/08/21
6	Arundhati	Swayam.com	Introduction to marketing essentials	8 weeks	20/07/21	26/09/21

7	Kanika	London School of Trends (LST)	Learn from Manish Malhotra	4 weeks	22/07/21	23/08/21
8	Jyotsana	London School of Trends	Learn from Manish Malhotra	4 weeks	20/07/21	23/08/21
9	Himanshi Chauhan	1.RIDHI SIDHI Designer Boutique- Macrame tassels	Internship (with Riya Jain)	62 days	12/07/21	30/08/21

		2.London School of Trends	Learn from Manish Malhotra	4 weeks	26/07/21	20/09/21
10	Nainika	London School of Trends	Learn from Manish Malhotra	4 weeks	22/07/21	23/08/21
11	Poonam Maurya	London School of Trends	Learn from Manish Malhotra	4 weeks	21/07/21	24/08/21
12	Sonali Mandhary	London school of Trends	Learn from Manish Malhotra	4 weeks	25/07/21	26/08/21
13	Lovely	Information & communication technology (ICT) Department Project	Hand Block Printing	5 weeks	08/07/21	11/08/21
14	Pinky Verma	Ambrose Artz	Kurti Design and Potli bag	3 months	17/08/21	17/11/21

15	Nani Yamee	Ridhi sidhi Designer Boutique	Canadian Smocking techniques	81 days	12/7/21	30/9/21
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Research Paper Publications in Journals

Name of the author/s	Year	Title of the paper	Title of the journal, volume/ issue/page number (in italics)	If UGC Care/ Scopus Journal	URL
Singh, T., Walia, A., & Mehtab, S.	2021	Leather Craft of Chamba: Heritage of Royalty.	<i>TEXTILE-Cloth and Culture, Volume 19, Issue 4, 454-465</i>		https://doi.org/10.1080/14759756.2021.1942605
Garg, P., & Walia, A.	2021	Understanding consumer trends in trading scenarios for handicraft markets.	<i>Journal of Textile and Apparel, Technology and Management, 12(2). ISSN: 1533-0915</i>		
Chaudhary, S., and Batham, M.,	July 2021	The effect of antibacterial finish obtained from cymbopogon (lemongrass) against E.coli on cotton fabric (cambric)	<i>Man Made Textiles in India, Volume No. XL 7</i>	UGC Care	
Kaur, B., Chanchal and Rani., R.,	Jan 2022	A Study: Working Conditions of small Scale	<i>International Journal of Mechanical Engineering, Vol. 7, No.1,</i>	UGC Care	

		weaving units	ISSN:0974-5823		
Kaur, B., Chanchal and Singh, S.	March 2022	Occupational Health Hazards Faced by the Workers of Knitting Units	<i>Asian Journal of Organic & Medicinal Chemistry (AJOMC), Volume 7, Number 1 January-March 2022</i> ISSN: 2456-8937	UGC Care	
Arora, G., and Aggarwal, J.	Jan 2022	Relationship of self-esteem with clothing interests amongst college students of metropolitan city Delhi, India	<i>The Indian Journal of Home Science, 34 (1), 1-10.</i> ISSN: 0970-2733	UGC Care	https://tinyurl.com/2p947d2m

Books/ chapters in books/ Editors for books/journals

Name of the author/s	Year	Title of the book (include editor if chapter in a book)	Title of chapter (if in a book)	Publisher/Place/ ISBN No.
Chanchal, Kaur, B., and Rani., R.,	2022	Sustainable Fashion and Textiles: An Indian Perspective, Volume I	Occupational Health Hazards Faced by the workers of Small Scale Weaving Units	Pragati Publications ISBN: 81-7307-178-6
Chanchal, Kaur, B., and Sakshi	2022	Sustainable Fashion and Textiles: An Indian Perspective, Volume I	Denim Washing Units: An Operating Environment	Pragati Publications ISBN: 81-7307-178-6
Mishra, A., Chanchal and Kaur, B.,	2022	Sustainable Fashion and Textiles: An Indian Perspective, Volume II	Occupational Health Hazards Faced by the workers of Garment Manufacturing Units	Pragati Publications ISBN: 81-7307-179-9

Batam, M., Kaur,B., and Mantasha	2022	Sustainable Fashion and Textiles: An Indian Perspective, Volume II	A Study: Comparative Assessments of Banana and Bamboo Fabric Properties	Pragati Publications ISBN: 81-7307-179- 9
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Faculty as resource person for other universities/NGOs/Organisations

Name of the teacher	Panel/Organization	Title	Month & Year
Dr. Jyoti Aggarwal	AICTE Training and Learning (ATAL) Academy	AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Sustainability and Quality Management in Apparel Industry" at Dayalbagh Educational Institute, (Deemed to be University) .	07/12/2021 to 11/12/2021

Research Paper Presentations in International level Conferences/Seminars/Workshops

Title of the paper	Name of the author/s	Title of Conference/Seminar/ Workshop	Date/Place/ Mode
Assessment of Industrial hemp Processing units and its Application	Chanchal, Kaur,B., and Anjali	International Conference on the empirical aspects of Advancement in Sciences, Engineering and Technology	02 July 2021, Online
Occupational Health Hazards in small scale Garment Manufacturing Units	Mishra, A., Chanchal and Kaur, B.,	International Conference on Fashion Apparel and Textile, Organized by Amity School of Fashion Technology, Noida	16-17th Nov, 2021, Online