

Resume



1. Present Post held (name of the post and discipline) : Professor in Textile Technology
2. Name in Full (in block letters) : Dr. RAJEEV KUMAR VARSHNEY
3. Father's Name : SH. SHIV NARAYAN VARSHNEY
4. Present Postal Address (in block letters) : P-2, STAFF COLONY,
GZSCCET, MRSPTU,
DABWALI ROAD, BATHINDA-151001
(PUNJAB)
- Mobile No. : Mob: 94177-53339
- Email ID : rajeev_varshney2002@yahoo.co.in
5. Age with date of Birth : 48 years, 01 months (09-02-1973)
6. Nationality : INDIAN
7. Category : General

8. Any other relevant information:

a) Scholarships/Awards

- i) State Scholarship from B.S.E. Haryana in 10+2 in the year 1989
- ii) Annual scholarship from T.I.T.&S Bhiwani on account of holding 1st Position for consecutively two years i.e. 1991,92 in B.Tech.
- iii) GATE Scholarship, got 9th rank in Textile in the year 1993.

b) Life members of professional bodies

- i) Life member of "Textile Association (India)" HARLM/267
- ii) Chartered Engineer conferred by "The Institution of Engineers (India)" AM087670-7
- iii) Life member of "The Institution of Engineers (India)" M-142735-5
- iv) Life member of "The Indian Society for Technical Education" LM-22630
- v) Life member of "Indian science Congress Association" 7537
- vi) Life member of "Indian association for Environmental Management" LM-1456
- vii) Life member of "Indian society for Continuing Engineering Education, University of Roorkee", LM-0304
- viii) Life member of "Punjab academy of Sciences, Punjabi university, Patiala"
- ix) Life member of "Fibre Forum India", IIT Delhi, L-20

Category-I

I.A Education qualifications (Starting with the lowest degree)

Degree awarded/ Examination passed	Univ./Board	Year of passing	% age of marks obtained/CGPA	Subject(s)
High School	B.S.E., Haryana	1987	76.66%; 1st class with merit	Phy, Chem, Maths, English, Hindi
Senior Secondary (Plus Two)	B.S.E., Haryana	1989	79.00%; Merit No.127 in Haryana	Non-Medical
B Tech	M.D.U. Rohtak	1993	72.94%; 1st class with Hons.	Textile Technology
M Tech	M.D.U.	1994		Textile

	Rohtak		76.35%; 1st class with Hons, 1st position in University	Technology
M.M.S./M.B.A. (Marketing)	G.J.U. Hissar	1997	72.00%; 1st class with Hons.	Major- Marketing Minor- Finance
PGDFM (Finance)	IGNOU, Delhi	1997	B Grade	Finance
Ph D	MDU, Rohtak	April, 2009	Awarded	Textile Technology

I.B Details of UGC/NET/GATE/JRF/SLET (A-10)

Qualifying Exam	Year Qualified	Subjects
GATE	1993	General Engineering

**I.C Other Professional Training (A-11 to A-14)
NDRF, Search and Rescue, National Integration**

I.D Topic of research for Ph D – “Effect of Polyester Fibre Fineness and cross sectional shape on the properties of blended yarns and their fabrics”

I.E Field of specialization - Textile Technology

I.F. List of all your previous employments in order (Most recent first)

Name of the Employer	Designation of the post and duration of employment period	Salary drawn at the time of leaving (Basic Pay, Allowances & Total)	Brief description of duties	Duration	Reasons for leaving
GZSCCET, MRSPTU, Bathinda	Professor	37400-67000 (AGP-10000)	Teaching, Research and Administration	01.08.2014 Till date (06 Years, 06 Months)	Continuing
GZSCCET, MRSPTU, Bathinda	Associate Prof. (Textile Engineering)	37400-67000 (AGP-9000)	Teaching, Research and Administration	01.08.2011-01.08.2014 (03 Years)	NA
GZSCCET,	Assistant	15600-39100	Teaching,	01.08.2008-	NA

MRSPTU, Bathinda	Professor		Research and Administration	01.08.2011 (03 Years)	
GZSCCET, MRSPTU, Bathinda	Senior Lecturer	10000-15200	Teaching, Research and Administration	26.08.2003- 01.08.2008 (05 Years)	NA
GZSCCET, MRSPTU, Bathinda	Lecturer	8000-13500	Teaching, Research and Administration	27.08.1998- 06.08.2003 (05 Years)	NA
Northern India Institute of Fashion Technology (NIIFT), Mohali	Asstt. Prof.	Rs 7500/- Consolidated	Teaching	(13.06.1997 to 27.08.1997) (2 Months)	Resigned

I.G Years of Teaching Experience : 22 Years, 08 Months

Category- II Co-curricular, Extension and Professional Development Related Activities (Annexures

II.A Student related co-curricular ,extension and field based activities

S.No	Nature of activity	Academic year
1.	NCC	From 2013 till date
2.	In charge-students society of Department "TEXTIMA" since very beginning	From 1998 till date
3.	Course Coordinator and Resource Person-In Human values and Professional Ethics	2015 onwards
4.	In charge Basket ball	Since 1998 onwards
5.	Hostel warden	From 25.07.2011 to 05.06.2013

II.B Contribution to corporate life and management of the department and institution through participation in academic and administrative committees and responsibilities.

S.No.	Nature of activity	Academic year
1.	Coordinator, Department of Textile Engineering	2013-2015
2.	Academic In charge-PG Courses	Since 2010 till date

3.	Chairman, Board of Studies of Textile Engineering in I K Gujral Punjab Technical University	2013-2014
4.	Chairman, Board of Studies in Maharaja Ranjit Singh Punjab Technical University	2014-2015
5.	Nodal officer RTI in Maharaja Ranjit Singh Punjab Technical University	From 26.08.2016 till date
6.	Member of College Development Council, MRSPTU	2018,2019
7	Chairman, Benevolent Fund Committee, GZSCCET, MRSPTU, Bathinda	05.02.2020 till date
8	Member, Board of Studies in Textile Engineering, MRSPTU, bathinda	01.04.2020-31.03.2022
9	Professor In-Charge (Revenue Generation and Mobilization Cell, GZSCCET, MRSPTU, Bathinda)	15.06.2020 till date
10	Coordinator, SIP-cum-UHV cell, MRSPTU, Bathinda)	17.03.2020 till date
11	Resource Person on "Research methodology" in MRSPTU, Bathinda	
12	others	

III.A Research activities undertaken (Specify total No. and attach list of publication in the each category)

(a) Publications in International Journals

Sr No	Title of paper	Co-author(s), if any	Name of the Journal/ISBN/ISSN	Vol. & Year
1	A Study on Thermo-physiological comfort properties of fabrics in relation to constituent fiber fineness and cross-sectional shapes.	VK Kothari and S Dhamija	Journal of Textile Institute 0040-5000 / 1754-2340	Vol 101, No.6, 2010
2	Influence of Polyester fiber fineness and cross-sectional shape on Low stress characteristics of Fabrics.	VK Kothari and S Dhamija	Journal of Textile Institute 0040-5000 / 1754-2340	Vol 102, No.1, 2011
3	Effect of polyester fibre fineness and cross-sectional shape on physical characteristics of	VK Kothari and S Dhamija	Journal of Textile Institute 0040-5000 / 1754-2340	Vol 102, No.4, 2011

	yarns.			
4	Influence of polyester fibre fineness and cross-sectional shape on tensile properties of yarns.	VK Kothari and S Dhamija	Research Journal of Textile and Apparat 1560-6074	Vol 15, NO.3, 2011
5	Use of computer technology in textile industries	Amit Madahar	International Journal of Engineering Sciences ISSN:2229-6913 (Print), 2320-0332 (online)	Vol 13, Dec., 2014
6	<u>Computer And Research-Applications And Limitations</u>	Shipra Bansal	International Journal of Engineering Sciences	Vol 13, Dec., 2014
7	Frontiers in Computer Science	Meena Bharti	International Journal of Engineering Sciences	Vol 13, Dec., 2014
8	Innovations in Textile Composite designing and their applications Available at: www.ijcaonline.org	Amit Madahar	International Journal of Computer Applications (ISBN: 973-93-80888-44-1)	Vol 12, Sept, 2015
9	A comparative study on Ring, Rotor and MVS Yarns.	Deshdeep ak	International Journal for Scientific research & Development. (ISSN: 2321-0613)	Vol 4, Issue 10 Dec, 2016
10	Tensile properties of viscose MVS yarns in relation to some machine and process parameters.	Deshdeep ak and S Dhamija	International Journal of Fiber and Textile Research. (ISSN: 2277-7156)	Jan, 2017
11	Biotechnological developments in Textile Field, Available at : http://www.ijritcc.org/browse/ice-mte-2017/track-6-others/90	Anju Arya	<i>International Journal on Recent and Innovation Trends in Computing and Communication, Special Issue (ISSN: 2321-8169)</i>	Volume: 5 Issue: 3, 2017
12	Evenness and Hairiness properties of viscose MVS yarn in relation to some m/c and process parameters	Deshdeep ak and S Dhamija	<i>International Journal of Textile and fashion technology.(IJTFT)</i> ISSN (Print): 2250-2378 ISSN (Online): 2319-4510	Vol 7, Issue 4, Aug, 2017
13	Tensile and Frictional Properties of wool-cotton union fabrics	H C Meena, D B Shakyawar	Journal of Natural Fibres https://doi.org/10.1080/15440478.2019.1568348 ISSN (Print): 1544-0478 ISSN (Online): 1544-046X	31-01-2019

14	Low Stress Mechanical Properties of Wool-cotton blended fabrics	H Meena, B Shakyawar C D	Journal of Natural Fibres https://doi.org/10.1080/15440478.2020.1726252 ISSN (Print): 1544-0478 ISSN (Online): 1544-046X	24.02.2020
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(b) Publications in National Journals

Sr No	Title of paper	Co-author(s), if any	Name of the Journal	Vol. & Year	Page No.
1	Contribution of Draw-off Nozzle profile to certain characteristics of Acrylic-Cotton Rotor spun yarn.	G.K.Tyagi A.K.Chaudhary	IJFTR of CSIR 0971-0426 / 0975-1025	Dec., 1996	261-264
2	Varietal response of Jute Fibres with varying meshiness to alkali treatment, Part 1: Effect of alkali conc. & treatment temp. on crimp development in Jute fibres	R.K.Singh A.K.Sengupta V.K.Kothari	IJFTR of CSIR 0971-0426 / 0975-1025	June 2006	267-273
3	Varietal response of Jute fibres with varying meshiness to alkali treatment , Part 2: Properties of alkali treated jute fibres	R.K.Singh A.K.Sengupta V.K.Kothari	IJFTR of CSIR 0971-0426 / 0975-1025	June 2006	274-278
4	Dimensional Parameters of Single Jersey Cotton Knitted Fabrics	G. Singh, K. Roy, and A. Goyal	IJFTR of CSIR 0971-0426 / 0975-1025	Vol 36, June,2011	111-116
5	Spirality of cotton plain-knitted fabrics with respect to variation in yarn and machine parameters	V K Kothari, G Singh and K Roy	IJFTR of CSIR 0971-0426 / 0975-1025	Vol 36, Sept 2011	227-233
6	Changing trends in measurement of fabric drape.	K. Roy	MMTI	Vol.53, No. 4, April 2010	20-24
7	Dimensional behavior of weft knitted fabrics during wet processing.	K Roy and V K Kothari	ATJ	Vol 19, No. 3, March 2010	
8	Influence of polyester fiber	VK Kothari	IJFTR of CSIR	Vol 39,	24-32

	shape and size on the hairiness and some mechanical properties of its yarns	and S Dhamija	0971-0426 / 0975-1025	March 2014	
9	<u>Dimensional behavior of interlock knitted cotton fabrics</u>	K Roy and V K Kothari	IJFTR of CSIR 0971-0426 / 0975-1025	Vol 43(2), June, 2018	179-185
10	Effect of MVS process parameters on knitted fabric characteristics	Sudershan Dhamija, Deshdeepa k	IJFTR of CSIR 0971-0426 / 0975-1025	Vol 43(3), September, 2018	330-335
11	Elastic characteristics of hand-tufted carpets under compressive load	Alok Daulta	IJFTR of CSIR 0971-0426 / 0975-1025	Vol 44, March, 2019	51-55

(c) Publications in Conference Proceedings (A-99 to A-131)

S No.	Title of paper	Name of the Conference	Date & Year	ISBN/ISSN NO.	Page No.
International Conferences					
1	Environmental Concerns In Textile Processes: Emerging Trends	2nd International Conference on Production and Industrial Engineering CPIE-2010 held at NIT Jalandhar,	3-5 Dec, 2010	ISBN: 978-81-920453-0-6	925-928
2	<u>Vortex Spinning Technology - A Promising Technology</u>	International conference on Emerging Trends in Traditional and Technical Textile, heldat NIT Jalandhar	11 th -12 th April, 2014	ISBN: 978-93-5156-700-4	792-796
3	<u>Technical Considerations in designing Coated and Laminated fabrics</u>	International conference on Emerging Trends in Traditional and Technical Textile, heldat NIT Jalandhar	11 th -12 th April, 2014	ISBN: 978-93-5156-700-4	544-549
4	Innovations in Textile Composite designing and	International Conference on Advancements in Engineering &	20-21 March, 2015	978-81-924893-0-8	799-801

	their applications	technology, ICAET-2015, held at Bhai Gurdas Institute of Engg & Tech, Sangarur			
5	A Review on Scientific approach to Waste Management	International conference on CSR and Sustainable Development: A multinational perspective, held at Sharjah (Dubai), UAE	May 4-5, 2015	ISBN: 978-1-63415-327-0	47-52
6	Mechanics of Carpet under compressive loading	International conference on Latest Developments in Materials, Manufacturing & Quality Control, held at Department of Mech Engg, GZSCCET, Bathinda	Feb 12-13, 2016	978-93-5212-858-7	638-643
7	Textile Composites as wood substitute in manufacturing, building and household uses	International conference on Latest Developments in Materials, Manufacturing & Quality Control, held at Department of Mech Engg, GZSCCET, Bathinda, MMQC-2016	Feb 12-13, 2016	978-93-5212-858-7	659-663
8	Construction of a three dimensional warp knitted spacer fabric- A review	International conference on Latest Developments in Materials, Manufacturing & Quality Control, held at Department of Mech Engg, GZSCCET, Bathinda	Feb 12-13, 2016	978-93-5212-858-7	678-681
9	A review on the comparison of warp and weft knitted spacer fabric	International conference on Latest Developments in Materials, Manufacturing & Quality Control, held	Feb 12-13, 2016	978-93-5212-858-7	682-685

		at Department of Mech Engg, GZSCCET, Bathinda			
10	Trends in Carpet Manufacturing Technology	International conference on Redefining Textiles: Cutting Edge Technology of the future (RTCT-2016), NIT Jalandhar, Punjab	8-10 th April 2016,		
National Conferences					
1	Geotextile Designing	National conference on Innovative Challenges in Civil Engineering held at Punjab Technical University-GZS Campus, Bathinda	15 th -16 th March, 2012	ISBN: 978-93-81583-28-9	95-98
2	Innovative Medical Applications of Textile Materials	National conference on Global Upcomings in Environment, Science, & Technology-2012, held at Punjab Technical University-GZS Campus, Bathinda	13 th -14 th April, 2012	ISBN: 978-93-81583-40-1	99-103
3	Plasma Application in Textile Processing: Current Developments	National conference on Global Upcomings in Environment, Science, & Technology-2012, held at Punjab Technical University-GZS Campus, Bathinda	13 th -14 th April, 2012	ISBN: 978-93-81583-40-1	93-98
4	Modelling Of Polyester Yarn Behavior In Relation To Polyester Fiber Fineness, Yarn Twist Level And Blending With	National Seminar on Mathematical Modelling in Science and Technology, held at The Technological Institute of Textile & Sciences, Bhiwani.	18.08.2012	978-93-81732-05-2	204-206

	Viscose Fiber				
5	Textile Fibres: Possibilities for High Performance	National conference on Futuristic and Emerging areas in Technology: Issues and Challenges-2013, FEAT-2013, held at Punjab Technical University-GZS Campus, Bathinda	14 th -15 th Feb, 2013	978-93-83083-00-8	84-89
6	Design Options in Protective Textiles	National conference on Futuristic and Emerging areas in Technology: Issues and Challenges-2013, FEAT-2013, held at Punjab Technical University-GZS Campus, Bathinda	14 th -15 th Feb, 2013	978-93-83083-00-8	110-113
7	Trends on biotechnological Applications in Textile Industry	National conference on Futuristic and Emerging areas in Technology: Issues and Challenges-2013, FEAT-2013, held at Punjab Technical University-GZS Campus, Bathinda	14 th -15 th Feb, 2013	978-93-83083-00-8	114-117
8	Current developments in Transport Textiles	National conference on Latest developments in materials, manufacturing and Quality control, MMQC-2014, held at GZS-PTU Campus, Bathinda	13 th -14 th Feb, 2014	978-93-5156-187-3	343-346
9	Composites: An Overview	TEQIP-II sponsored National Conference on Latest Developments in	19 th -20 th Feb, 2015	978-93-5196-055-3	56-58

		Materials, Manufacturing and Quality Control, held at GZS PTU Campus, Bathinda			
10	A study on mechanism and process parameters of Vortex Spinning	TEQIP-II sponsored National Conference on Latest Developments in Materials, Manufacturing and Quality Control, held at GZS PTU Campus, Bathinda	19 th -20 th Feb, 2015	978-93-5196-055-3	401-404
11	Health Hazards in Carpet Industry	TEQIP-II sponsored National Conference on Latest Developments in Materials, Manufacturing and Quality Control, held at GZS PTU Campus, Bathinda	19 th -20 th Feb, 2015	978-93-5196-055-3	426-429
12	Developments in design & efficiency of tools and machinery of carpet	National Conference on Latest Developments in Civil and Environment Engineering 2015 (LDCEE'15) held at Department of Civil Engg, GZSCCET, Bathinda	15th-16th Oct., 2015	978-93-5254-071-6	52-56
13	Characteristics of composites – a review	National Conference on Latest Developments in Civil and Environment Engineering 2015 (LDCEE'15) held at Department of Civil Engg, GZSCCET, Bathinda	15th-16th Oct., 2015	978-93-5254-071-6	278-280
14	Effect of Structural Parameters on	UGC Sponsored National Conference on "Global Challenges	23-24 April 2016	ISBN: 978-81-909307-3-4	138-142

	Mechanical Response of Carpets	– Role of Sciences & Technology in Imparting their Solutions (GCRSTS 2016)” held at TIT&S Bhiwani, Haryana, India			
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Publications in Conference Proceedings without ISBN Numbers:

S No.	Title of paper	Name of the Conference	Date & Year	Page No.
International Conferences				
1	Influence of fiber fineness and fiber profile on thermal comfort behavior of woven fabrics	Futuristic trends in Textiles (ICFT-2007) held at NIT, Jalandhar	10-12 Dec, 2007	CD Released
2	Water transport behavior of fabrics in relation to constituent polyester fibre fineness and cross-sectional shape	Performance wear and Functional Textiles (PFT-2008)” held at PSG college, Coimbatore	24 th -25 th July, 2008	CD Released
3	A study on physical parameters of ring spun yarns in response of constituent polyester fibre shape and size	Global Textile Vision-Strategic Initiatives (itec-2009) held at Komarapalayam	28 th -30 th Aug, 2009	CD Released
4	Plazma Technology: Some Innovative Applications in Textiles	International Conference on “Innovative methods In Textile Manufacturing and Clothing” held at TIT&S Bhiwani	10-11 Feb,2012	71-76
5	Innovative Applications of Textile Products in Transportation	International conference (AFTMME-2012) held at Punjab Technical University Jalandhar	5 th -7 th October, 2012	160-163
6	Designing of Textile Structural Composites	International conference (AFTMME-2012) held at Punjab Technical University Jalandhar	5 th -7 th October, 2012	618-621
National Conferences				

1	Civil Engineering Applications of Textile Fibers	National Seminar on "Trends in Geotechnical Engineering (TGE-2005)" Deptt of Civil Engg, GZSCET, Bathinda	April 30, 2005	307-316
2	Eco-friendly textile chemical processing- Technological Options	All- India Seminar on "Waste management in Chemical and Allied Industries: A Vision 2020 (WMCII- 2005)", Deptt of Chemical Engg, NIT, Rourkela, Orissa	October 1 st and 2 nd , 2005	85-95
3	Dimensional Behavior of weft knitted fabrics during wet processing – an analysis	Workshop organized by GZSCET, Bathinda and sponsored by Department of science and technology, Government of India held at Ludhana	29 th -30 th June,2006	27-28
4	Handle characteristics of weft knitted fabrics	Wokshop organized by GZSCET, Bathinda and sponsored by Department of science and technology, Government of India held at Ludhana	29 th -30 th June,2006	32-40
5	Nano-Technology in Textiles: An Overview	National conference on "Advancements & Futuristic Trends in Mechanical & Materials Engineering (AFTMME'06)", Department of Mechanical Engineering of GZSCET, Bathinda	Oct 13 th - 14 th , 2006	184-190
6	Nano-Technology Applications in Textiles	National conference on "Applications of Nanotechnology" (ANT) at Jodhpur Engineering College	27/28/29 Dec.2007	96-98
7	New renewable energy: Indian Perspectives	National conference (CTEE-08) held at GZSCET, Bathinda	14 th February, 2008	CD Released
8	Nanotechnology and Smart Textiles for	National conference (AFTMME-2010) held at	19 th -20 th February,	349-351

	Apparel and Technical Applications	YCoE, Punjabi University Guru Kashi Campus, Talwandi Sabo	2010	
9	Biotechnology in Textile Industry	National Conference on emerging trends in Engineering and Technology (NCETET-2011) held at SLRTC Engineering college , Thane	11 th March, 2011	820-823
10	Innovative Applications of Plasma Technology in Textiles	National conference (AFTMME-2011) held at Punjab Technical University Jalandhar	7 th -8 th October, 2011	CD Released
Souvenirs published on Engineers' Day				
1	Technical Applications of Textiles	42 nd Engineers' Day, Souvenir-2009	15 th Sept., 2009	71-73
2	Ultraviolet Protective Clothing	43 rd Engineers' Day, Souvenir-2010	15 th Sept., 2010	83-87
3	Innovative Applications of Plazma Technology in Textiles	45 th Engineers' Day, Souvenir-2012	15 th Sept., 2012	80-84

(d) Invited Lectures

S No	Title	Program	Venue	Date
1	spinning- Blow room and Carding	Guest lecture at NCUTE extension programme, REC, Jalandhar	Dr. B R Ambedkar NIT, Jalandhar	13 th -14 th Feb, 1999
2	Data Analysis Through SPSS	Resource Person in Short Term Course on "Research Methodologies" organized by NITTTR Chandigarh	PTU-GZS Campus, Bathinda	16 th -20 th April, 2012
3	Research Ethics	Resource Person in Short Term Course on "Advanced Research in Material, Manufacturing and Mechanical Engineering" organized by Department of Mechanical Engineering, GZS PTU Campus, Bathinda under TEQIP-II project	GZS-PTU Campus, Bathinda	27 th – 30 th October, 2014
4	Importance of	Resource person in Pre-	IASE (D),	15 th Dec,

	Research in Present Scenario and Types of Research	PhD Course Work	Sardarshahar, Rajasthan	2014
5	Relevance of Research and its methodologies in current scenario	Expert Talk at MLVTI, Bhilwara	MLV Government Textile & Engineering College, Bhilwara	03rd Oct, 2015
6	Developments in Garment Dyeing	Resource Person in Short Term Course on "Advancements in Garment Technology" organized by Department of Textile Technology at NIT, Jalandhar, under TEQIP-III project	Dr. B R Ambedkar National Institute of Technology, Jalandhar	22-26 May, 2019
7	Statistical Analysis	Resource person in Refresher Course in "Research Methodology" at UGC-Human Resource Development Centre, Punjabi University, Patiala	Punjabi University, Patiala	13th Dec, 2019

(g) Total PhD Thesis Guided:

NO	Year of Enrollment/University	Date of Submission/Award	Student Name/No	Student Project
1	2012, PUNJAB TECHNICAL UNIVERSITY, Kapurthala	Awarded in July, 2018	Deshdeepak, Univ Roll No. 1207002	SOME STUDIES ON EFFECT OF PROCESS PARAMETERS ON THE PROPERTIES OF 100% VISCOSE MVS YARNS AND THEIR FABRICS
2	2012, PUNJAB TECHNICAL UNIVERSITY, Kapurthala	Awarded in Dec, 2020	Haree Charan Meena, Univ Roll No. 1207001	STUDIES ON INDIAN CROSSBRED WOOL AND ITS BLENDS ON KHADI SYSTEMS.
3	Maharaja Ranjit Singh Punjab Technical University, Bathinda	Registered in July, 2019	Mohammed Gofran	Value creation in apparel reverse supply chain
4	Maharaja Ranjit Singh Punjab	Registered in Jan, 2021	Neeraj Malik	Use of flax fibres in development of woven

	Technical University, Bathinda			and non-woven furnishing fabrics
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Rajeev Kumar Vaeshney
(Signature of the Candidate)