

## CURRICULUM VITAE

**Dr. R G PANNEERSELVAM, DHT, AMIE, ME, Ph.D.,**

Former Director, Indian Institute of Handloom Technology,  
Ministry of Textiles, Govt. of India, Varanasi – 221 002, UP

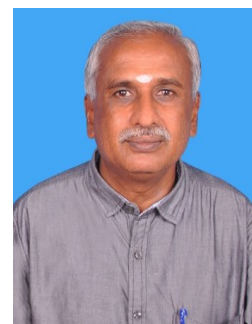
Associate Professor, School of Fashion Technology,  
KCG College of Technology, Karappakkam, Chennai – 600 097, Tamil Nadu

<https://scholar.google.com/citations?authuser=1&user=LIsfIU8AAAAJ>

<https://orcid.org/0000-0002-3183-832X>

<https://publons.com/researcher/5154001/panneerselvam-r-g/>

<https://vidwan.inflibnet.ac.in/myprofile> (Vidwan ID: 269777)



---

**E mail & Mobile No. :** [rgpanneer61@gmail.com](mailto:rgpanneer61@gmail.com) [panneerselvam.ft@kcgcollege.com](mailto:panneerselvam.ft@kcgcollege.com)  
**08004923420**

**Date of Birth & Age :** 30-05-1961 - 64 Years

**Gender :** Male

**Languages known :** English, Tamil, Hindi, and Telugu (Only speak)

**Permanent Address :** 185 – Pillayar Koil Street, Durugam village, Onnupuram Post – 632 315,  
TVM District, Tamil Nadu

---

### Areas of Expertise

- |  |   |
|--|---|
| • Woven Fabric Structures                  | • Silk saree Handloom weaving Techniques      |
| • Woven Fabric Analysis and Costing        | • Textile Quality Evaluation                  |
| • Woven Fabric Manufacturing               | • Process modernization in Handloom           |
| • Computer-aided- Jacquard Graph Designing | • Product Diversification for Handloom sector |
| • Computer-aided- Dobby Graph Designing    | • Personal Skill upgradation of weavers       |
| • Traditional Handloom Fabrics of India    | • Students, Faculty – Behaviour Development   |

### Books published

- Weaving Face-Flip-Face Fabric using Orthogonal Weft Tapestry.  
ISBN - 978-3-330-07402-6, Lambert Academic Publishing, Germany.
- Computer-Aided Figured Graph Designing for Jacquard Weaving  
ISBN-978-1-003-44120-5, CRC Press, UK

### Course Books prepared

Woven Fabric Structures, Computer Aided Graph Designing, Woven Fabric Manufacturing,  
Jacquard Harness Building, Jacquard Card Punching

### Awards received

Gold medal for securing First Rank in SSLC, Diploma, and Degree Exams.  
Felicitation from Institute of Engineers (India), Kolkata – as an Eminent Engineering personality  
in the field of Textile Engineering

### Membership and services

- Member of Governing Body, Indian Institute of Handloom Technology, Ministry of Textiles
- Member of Syllabus Subcommittee, Anna University, Chennai
- Member of Quality Assurance Cell, Textile Sector Skill Council, New Delhi
- Member of Syllabus Subcommittee, Directorate of Technical Education, Tamil Nadu

### **Educational / Professional Qualifications**

- **Doctor of Philosophy** : Gandhigram Rural Institute, Gandhigram (2016)  
(Handloom & Textile Technology)
- **Master of Engineering** : Birla Institute of Technology, Ranchi (2010)  
(Quality Engineering & Management)
- **P.G. Diploma** : The Institution of Engineers (India), Kolkata (2008)  
(Quality Engineering & Management)
- **AMIE** : The Institution of Engineers (India), Kolkata (2000)  
(Textile Engineering)
- **Diploma** : Indian Institute of Handloom Technology, Salem (1981)  
(Diploma in Handloom Technology)
- **Pre-University Course** : University of Madras (1978)  
(Maths, Physics, Chemistry)
- **SSLC** : Board of Secondary Education (1977)

### **Details of Previous Employment**

- Total Experience : 43 Years (From 01-09-1981)
- **Associate Professor (Part-Time)** : School of Fashion Technology, KCG College of Tech.  
(From 18-06-2018 - continuing)
  - **Director (Institute)** : Indian Institute of Handloom Technology, Varanasi  
(From 07-01-2013 to 01-12-2016)
  - **Deputy Director** : Weavers' Service Centre, Ahmedabad, Bangalore,  
(From 22-01-2007 to 06-01-2013) Kancheepuram
  - **Instructor- cum- Demonstrator** : Indian Institute of Handloom Technology, Salem  
(From 03-07-1987 to 05-12-1990) & (From 10-10-1991 to 21-01-2007)
  - **Technical Superintendent** : Regional Office of Enforcement Wing, Coimbatore  
(From 06-12-1990 to 09-10-1991)
  - **Pattern Maker - cum - Designer** : Weavers' Service Centre, Panipat  
(From 13-10-1983 to 02-07-1987)
  - **Weaving Demonstrator** : Indian Institute of Handloom Technology, Salem  
(From 05-07-1982 to 05-10-1983)
  - **Supervisor** : Tamil Nadu Textile Processing Mills Ltd., Erode  
(From 14-12-1981 to 30-06-1982)
  - **Vocational Instructor** : Govt. Higher Secondary School, Onnupuram  
(From 01-09-1981 to 11-12-1981)

### **Papers Published in International and National Journals (as first author)**

- Design and development of a foot pedal-operated ‘Center Close Shed- Horizontal Lever Electronic Dobby’ for weaving all-over and brick motif fabrics  
- IJFTR, NISCAIR. – June 2025
  - Constructing principles of Compound Weave Structures by Digital Design Papers  
- JOTI, Tex. Inst. – October 2024
  - Computer-Aided Special Stepping Jacquard Graphing for Weaving the Reversible Traditional Jamdani Fabrics Using Discontinuous Inter-turning Extra Weft – JOTE, ASTM- August 2023
  - A study on generating the perspective projection of different weave structures using 3D computer-aided designing tools  
- JOTI, Tex. Inst. – July 2022
  - Study on the float-control weaves application algorithms of computer-aided jacquard graph designing for different figured fabrics  
- JOTI, Tex. Inst. – January 2022
  - A Study on the revival of Jamdani Weaving Technique and Kalamkari Drawing – Dyeing Processes of Traditional Kodali Karuppur Sarees  
- JOTE, ASTM – October 2021
  - Study of the Required Directional Color Contour Option for the Controlled Weave Application in the Jacquard Graph Designing  
- JOTE, ASTM – June 2021
  - Designing and weaving techniques of ‘Figured Velvet Chenille Pile Fabric’ in handloom  
- Fibre2fashion.com- August 2020
  - Use of indigenous electronic jacquard in handloom for weaving fashionable silk sarees  
- DSSR Journal – July 2020
  - Use of MS Paint for ‘weave and colour pattern’ designing – IJFTR, NISCAIR - JUNE 2018
  - Weaving Simple Face Flip Face Fabric using Orthogonal Weft Tapestry Weave  
IIT Delhi, National conference Proceedings 24th June 2017, ISBN No. 819070985-2
  - Weaving Twill Damask fabric using section–scale–stitch harnessing  
- IJFTR, NISCAIR – NOV. 2015
  - Weaving Figured Face Flip Face Fabric using Orthogonal Weft Tapestry weave  
- IJFTR, NISCAIR – SEP. 2015
  - Petni, kondi and reku: Traditional techniques of weaving handloom silk sarees  
- IJTK, NISCAIR - OCT. 2014
  - Use of MS Paint for Jacquard Graph Designing and Printing – IJFTR, NISCAIR - JUNE 2013
- 
- Impact of Adopting Modernisation in Handloom Industry – a Study - Newsletter of HEPC - June 2015
  - Self-Reliant and Self-Sufficient Rural Society  
- Conference, GRI - June 2015
  - Techno Economics of Modernisation of Handlooms  
- fibre2fashion.com - MAY 2013
  - Double Decker Shedding and Picking  
- Textile Review - Dec 2011
  - Rural Marketing of Handloom Fabrics  
- GRI - Dec 2011
  - Enlistment of Handloom Weavers through 3P Strategies  
- fibre2fashion.com – SEP. 2011
  - Studying the Problems Faced by the Handloom Industry  
- fibre2fashion.com – SEP. 2011
  - Double Decker Shedding in Handlooms  
- Textile Review, Jan 2010
  - Stitched Colonial Group Drafting System  
- Textile Review - June 2009
  - Two-in-One, Figured Floor Carpets and Mats Weaving  
- Textile Review - May 2009
  - 3Dm Fabrics in Handlooms  
- Textile Review - Oct 2007
  - Handloom Industry  
- Textile Review - Aug 2007

### **Patents filed and published**

- Centre close shed-horizontal lever electronic dobby for weaving; Application No. 202341083561 dated 07-12-2023; published on 05/01/2024
- Designing and development of the angular interlock weaves for weaving the face-back-face figured Fabric; Application No. 202241001930 dated 03-02-2022; published on 14/07/2023
- A process of preparing a typical special stepping jacquard graphing of a motif design; Application No. 202141031648 dated 14-07-2021; published on 20/01/2023
- Electronic and mechanical jacquard combined shedding in handloom for weaving double-face figured fabrics of four wefts orthogonal weave; Application No. 202141033123 dated 23-01-2021; published on 27/01/2023

### **Seminars, Workshops, and Awareness programs participated as a Resource person**

- Learn – How to Learn; What is next after Graduation; Learn – How to Teach – at all IIHTs
- Designing Checked Woven Fabric using MS Paint – Dept. of FT, Sona College of Technology, Salem
- Career opportunities in the Handloom sector, at Design Resource Centre, Kanchipuram
- 3P Strategies for the enrichment of Handloom Weavers, for EDI, Cluster Development Office, Salem
- Developing Fashionable products using Handloom, for the School of Fashion Technology, Kalinga Industrial Institute of Technology, Bhubaneswar
- Jacquard Graph Designing, Dept. of Apparel and Textile Design, for Periyar University, Salem
- Use of indigenous electronic jacquard in handloom for weaving fashionable silk sarees, for the School of Fashion Technology, KCG College of Technology, Chennai
- Design, properties, and commercial applications of Woven Fabrics in Fashion, for Dept. of Fashion Technology, Sona College of Technology, Salem
- Impact of Handloom on Weaver and Wearer, for Department of Textile Technology, Osmania University, Hyderabad
- Sustainable Handloom fabrics for the next decade, for the School of Fashion Technology, Kalinga Industrial Institute of Technology, Bhubaneswar
- Make-in-India Handloom Products for Global Market, for Institution of Engineers, India, Hyderabad
- Process Modernization in Handloom Silk Saree Weaving, for Textile Sector Skill Council, Recognition of Prior Learning Program (RPL), Arani Silk Handloom Cluster, Onnupuram
- Role of Skill Upgradation in the enrichment of Handloom Weavers, for Women Weavers and Self-Help Group conducted by Central Silk Board, Kanchipuram
- Introduction to Computer Aided Graph Designing, for Saree Designers Training Program conducted by Central Silk Board, Kanchipuram
- Process Modernization in Handloom Silk Saree Weaving, workshops conducted by Co-optex at Salem, Chennimalai, Madurai, Thanjavoor

**(R.G. PANNEERSELVAM)**