

Dr. K B RAVINDRA B. Tech. (Textile Tech), M. Tech. (Textile Tech), Ph.D. (Textile Tech)

Associate Professor

HOD (in-charge)

Dept. of Textile Technology,

Bapuji Institute Engineering and Technology,

DAVANGERE -577004

Mob: +91-94813 59044

Email: ravi328@rediffmail.com

RESEARCH INTEREST

Textile Testing, Textile Finishing, Fabric Structure & Design, Weaving

TEACHING EXPERIENCE: 32 years

- Presently working as In charge HOD from July 2020 till date
- Presently working as Associate Professor from 01-08-2012 to till date
- Worked as Assistant Professor 01-08-2007 to 01-08-2012
- Worked as senior lecturer from 01-08-2004 to 01-08-2007
- Worked as Lecturer from 04-12-1987 to 01-08-2004

EDUCATION

- **Ph.D.** in Textile Technology from Visvesvaraya Technological University, Belagavi, in 18th March 2019.
- **M. Tech.** in Textile Technology from AC Tech., Anna University, Chennai, March 1993
- **B. Tech.** in Textile Technology from BIET, Davnagere, Mysore University, Mysore, 1987

PROFESSIONAL MEMBERSHIP:

- Member of Indian Society for Technical Education (ISTE)
- Member for Institute of Engineers (IE)

PUBLICATIONS

Sl. No.	Title with Page Nos.	Journal details	ISSN/ ISBN No.	International /National
1	Fabric properties and garment handle	Indian Textile Journal	June 1996	National
2	Bioactive antimicrobial agents for finishing of textiles for health care products 706–717	The Journal of The Textile Institute	2015, Vol. 106, No. 7,	International
3	Study of Antimicrobial Properties of Fabrics Treated with Ocimum Sanctum L (tulsi) Extract as a Natural Active Agent 619–627	Journal of Natural Fibers	2016, VOL. 13, NO. 5,	International

PAPERS PRESENTED IN CONFERENCES, SEMINARS, WORKSHOPS, SYMPOSIA

Sl. No.	Title of the paper presented	Title of Conference / Seminar	Organised by	International /National
1	Organisation of weave room	NCUTE EXtn. Program on “Shuttle less loom’ June 2002	BIET, Davangere	National
2	The effect of microwave radiations on Mechanical Properties & Dyeing behavior of DCH -32 Cotton fibres	UGC Sponsored national conference on Atomic physics, Molecular Physics & X-Ray Crystallography 8-10, Jan 2015”	Vijaya College Bangalore,	National
3	Study of fabric hand of polyester/cotton & polyester / viscose fabrics using low cost Fabrofeel equipment	International conference on “Instrumentation” 19-21 Dec. 2004	Institute of Tech., Pune	National
4	Salt free dyeing – A new method of dyeing of modal/cotton blended fabrics with reactive dyes.	4 th International Conference on Cellulosics: Colouration, Innovations & Regulations on 1 st June 2007	The Society of Dyers & Colourists (SDC), Mumbai Region	National

SHORT TERM COURSES/WORKSHOPS

Sl No.	Attended	Name of the Course / Summer School	place	Duration/Period	Sponsoring Agency
1		Short term course on “Total quality control management in textile industry – online & offline process & quality control equipment”	BIET, Davangere	12-05-1993, 1 day	Continuing education programme, MHRD, Govt. of India
2		Training programme on “Sulzer projectile Weaving”	Sulzer India Ltd., Pune	8 th & 9 th Dec-1997, 2 days	--
3		Short course on “Application of statistical quality control”	DCM Davangere	2 nd March to 14 th March 1998 14 Days	--
4		NCUTE pilot programme on Weaving I: Shuttle looms-	Dept. of Textile Technology IIT, New Delhi	2 nd -Nov. 1999 to 4 th Nov. 1999, 3 days	NCUTE, New Delhi
6		NCUTE pilot programme on “Latest textile machines used	BIET, Davangere	6 th Oct. to 9 th -Oct.2001, 4 days	NCUTE, New Delhi

	globally”			
8	NCUTE Extension programme on “Information technology in textiles”	BIET, Davangere	5 th & 6 th Jan 2001 2 days	NCUTE, New Delhi
9	Certificate course on “Computer Aided Textile Designing”	PSG Polytechnic, Coimbatore	01 st June 2001 to 15 th June 2001, 15 days	--
11	NCUTE pilot programme on “Developments in wet processing of garments and knit goods”	BIET, Davangere	9 th to 11 th Jan 2004, 3 days	NCUTE, New Delhi
12	NCUTE pilot programme on “Exposure of textile teachers to cotton industry”	DKTE’s Textile & Engineering Institute, Ichalkaranji	10-12, July 2003, 3days	NCUTE, New Delhi
13	Workshop on “Effective Teaching in Textile Physics & Testing (TEQIP)”	DKTE’s Textile & Engineering Institute, Ichalkaranji	29 th & 30 th Sept. 2006, 2days	TEQIP
14	Silver Jubilee International Conference	DKTE’s Textile & Engineering Institute, Ichalkaranji	16 th Feb.to 18 th Feb. 2007, 3 days	--
15	QIP Short term course on “Emerging Trends in Fibres and Textiles”	Dept. of Textile Technology IIT, New Delhi	6 th July to 10 th July 2009, 5 days	QIP
Conducted /Organized :				
	Name of the Course / Summer School	Place	Duration/Period	Sponsoring Agency
1	National seminar on “High Technology Knitting for Indian Textile industry”. Worked as coordinator	BIET, Davangere	2 days March, 1996	AICTE, New Delhi
2	NCUTE seminar on “Unconventional weaving”. Worked as coordinator	BIET, Davangere	2 days March, 1996	AICTE, New Delhi

SPONSORED PROJECTS

Sl. No.	Title	Responsibility	Agency	Grant /Amount Mobilized (Rs. Lakh)
1	Field testing and development of accessories for pre-loom	Project assistant	DST, New Delhi	8.76

	operations in Karnataka			
2	Optimisation of Knitting parameters of silk knitted fabrics	Project assistant	SDC, Bangalore	14.84
3	Development of knitted fabrics from silk yarn and its blends	Project assistant	DST, New Delhi	13.15
4	Design & development of fabric handle equipment	Project assistant	KSCST, Bangalore and AICTE, New Delhi	1.19
5	Development of secondary motions for pit loom at Kancheepuram	Project assistant	SDC, Bangalore	1.91
6	Differentiation of Khadi and other textiles	Project assistant	KVIC, Mumbai	9.94
7	GI registration for Guledgudd Khana fabric	Coordinator	Textile Committee, Mumbai	0.85

TRAINING COURSES, TEACHING- LEARNING – EVALUATION, FDP

Sl. No.	Programme	Duration	Organized by
1	Completed course on “Computer Fundamentals, MS Office, Windows 95 & Internet”	28 th Feb -7 th March 2001, 7 days	IGI Computers, Davangere
2	Training programme on “Wonder weaves Textile Design software”	01-06-2001, 15 days	BIET, Davangere
3	Certificate course on “Computer Aided Textile Designing”	01 st June 2001 to 15 th June 2001, 15 days	PSG Polytechnic, Coimbatore
4	Training programme on TUKATECH software in “Computer Aided Garment Designing”	04-05-2003, 7 days	BIET, Davangere

RESPONSIBILITIES

- Department (Programme) NBA Coordinator
- Department Placement Officer
- Worked as office superintendent, VTU examinations
- Coordinator – BIETech Voice
- In-charge -Textile Testing lab
- Research project coordinator
- Member, BOE, VTU
- Chairman, BOE, VTU

PROJECTS GUIDED:

For B.E.: 75 batches

For M. Tech. : 10 students

SUBJECTS TAUGHT

For B. Tech: Weaving, Fabric structure and design, Textile testing, Chemical processing

For M. Tech: Advances in fabric formation, Advanced apparel testing and quality control, Advanced wet processing, Advanced silk technology, Advanced apparel production technology

PROJECTS

Ph.D. Thesis: “Eco-friendly Antimicrobial Finishing of Cotton & Cotton /Polyester Blended Fabric using Bio-active Agents Based on Natural Products”

Description: Antimicrobial textiles are a large research focus in the textile finishing in textile industry. There is an apparent need for production of washable and durable antimicrobial textile products. Most of the synthetic antimicrobial agents presently used in the finishing of textile products are toxic, can cause adverse effects on human health, and have environmental issues. Hence the research on environmental friendly and non-toxic natural bioactive compounds with antimicrobial properties and their application on various textile products gain considerable attention. These can be used as an alternative to synthetic antimicrobial agents for textile applications, especially in medical and health care textiles. This research work was aimed to study antimicrobial functionality of cotton and polyester/cotton fabrics treated with natural bioactive substances extracted from various plants, herbs, spices, natural dyes etc., having medicinal properties for the development of health care products.

Project during post graduation: “Effect of heat on wool fibre structure by NMR studies”

Description: The wool fibres undergo structural changes when heat treated at different temperatures. In this study Indian wool was scoured by using carbon tetrachloride by soxhlet apparatus and heat treated at different temperatures on an electric furnace. The changes in the physical and molecular structures were studied using NMR technique.

Project during Graduation: “Development of stop motions to sectional warping machine”

Description: Conventional type sectional warping machine used by small scale industry is not provided with a stop motion device and whenever an end break or tape length is finished the machine need to be stopped. In the absence of this device the machine operator has to constantly watch the machine and stop manually whenever an end break or tape length finished. Some time the machine continues to run and defects occur and the machine needs to be stopped for long time to set right the machine. Hence a feeler mechanism was fitted to the creel near the guide so that whenever an end break the feeler drop and electric contact initiate a relay and contactor and stop the machine immediately. Same way whenever a set tape length is finished the electric counter initiate the relay and contactor to stop the machine. The working of stop motion device was found be effective and achieved the purpose.

Residential Address:

**K B Ravindra
S/o K M Basappa
1653/11, “Sree Maruthi Nilaya”
4th Cross, Siddaveerappa Layout
Davangere – 577004
Karnataka**