Bapuji Educational Association

Bapuji Institute of Engineering and Technology, Davangere

Department of Textile Technology

TEXTILE VOICE: Newsletter

Volume-2 *Issue-2* *August 2019-July 2020*

"TEX MILANA" – VIRTUAL ALLUMINI MEET 2012-2013 BATCH

Among the alumni participated in the Virtual meet, the following alumni members have given their opinion.

1. Mr. Susheel Kumar thanked the department and college for having provided the good teaching faculty, and infrastructures to gain practical knowledge and to work effectively in Garment Industry

2. Mr. Chandan has agreed to extend all help to our students depending on their merit and other requirements

3. Ms. Priya Mandi has given opinion that physical meeting in the campus would have been better.

Other Alumni members thanked the department and assured all the necessary to help their junior students.

Mr. M.C. Patel, Coordinator, Virtual Meet and other faculty have thanked all alumni for their participation. Finally Dr. S.N. Ramesh, Associate Professor thanked all participants, and all the members present.

HOD

Dr. S M Chandrasekhara

Prof. Vrushabhendrappa, Director

Dr. Sadashiva Kankuppe, Principal

Dr. K B Ravindra, HOD

Dr. G P Desai, Dean

Dr. K Murugesh Babu,

Mr. M C Patel

Director, Principal, Deans, HOD and Faculty members addressing alumni members

Mr. Susheel

Ms. Reema

Mr. Susheel and Miss Reema, Alumni members sharing information regarding their career and future scope for Textile Graduates

Vision of the Institute

To be a center of excellence recognized nationally and internationally, in distinctive areas of engineering education and research, based on a culture of innovation and invention

Mission of the Institute

BIET contributes to the growth and development of its students by imparting a broad based engineering education and empowering them to be successful in their chosen field by inculcating in them positive approach, leadership qualities and ethical values

Vision of the Department

To be the center of excellence in textile education, besides serving the society by undertaking various innovative research, industry andsociety related activities.

Mission of the Department

- *To impart the basic science, engineering, textile, garment and fashion education for the growth and development of the students by providing effective teaching and learning processes*
- *To impart practical/research knowledge through industrial training and projects*
- *To empower the students with positive approach and presentation skills by conducting workshops and conferences*
- *To inculcate ethical values of various virtues, which enable them to become successful textile technologists and good citizens of the nation.*

Program Educational Objectives:

The PEOs of the program are

- ***PEO1:****Graduates of the program will have successful career in manufacturing, quality assurance, product development and technical sales segments of textile industry*
- ***PEO2:****Graduates can inculcate research capabilities in various textile technology fields to innovate new products and adopt themselves in the world of constantly evolving technology*
- ***PEO3:****Graduates will apply acquired knowledge in solving technological challenges of the textile industry.*

- ***PEO4:****Graduates will exhibit entrepreneurship, leadership quality, team work and incorporate societal needs to practice their profession with high level of legal and ethical responsibilities*

Program Outcomes (POs)

Department of Textile Technology Graduates will be able to acquire:

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

PSO1:The students will be capable of designing and developing various textile products and controlling and improving the various manufacturing processes and quality of textile products.

PSO2:The students will be able to communicate their ideas, findings, and knowledge through project work, technical publications, technical conferences etc.

FROM THE DESK OF HOD

Textile industry in India is heading towards radical change aiming at remarkable progress and development. In order to cater to the utmost needs of this industry, a great responsibility lies on the technical institutions, which imparts textile education in shaping the technocrats to give their best.

Spread over a wide area, the department houses well equipped modern spinning, weaving, chemical processing, Garment and testing laboratories. The courses offered by the department are: B Tech, M Tech in Textile Technology and Ph.D. (By research).

The department has highly qualified faculty and state of the art CAD/CAM lab with internet facilities. The CAD/CAM lab houses in it the latest Dobby, Jacquard, 3D Garment and Printing software,the state of the art Garment Design Software, Digitizer, Plotter(TUKATECH) with 5KV UPS on high speed millennium and XPeditioncomputer systems. The department has excellent placement activities resulting in 100% placement for our graduates in top rated multinational textile and garment manufacturing industries in the country.

Apart from excellent placement, our students are encouraged to undertake industry oriented projects in their final year which help them to acquire research ideas which inturn help them to get admission for higher studies abroad. Many of our students have secured admission for M.S programmes in Top Universities in UK, USA, France, Italy, Hong Kong and other countries.

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Dr. S M Chandrashekara

Assistant Professor

Student Editors

Nitish M - 3rd year

Swaroop R M and Veeresh C - 3rd year

Bhaskar - 1st year

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			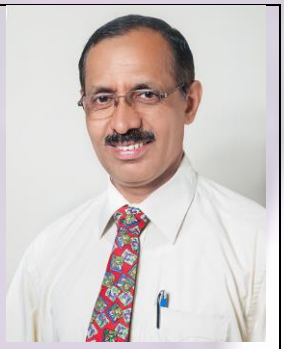
Dr. K MurugeshBabu Prof.	**Dr. K. B Ravindra Associate Prof .& Head**	**Dr. Y N Dinesh Asst. Prof.**	**Dr. S N Ramesh Associate Prof.**

		
S SNadikol Asst. Prof.	**Dr.SM Chandrasekhara Asst. Prof.**	**Mr. M C Patel Senior Faculty**

NON -TEACHING SUPPORTING STAFF

			
Basavarajaiah - Fitter	**K Jagadeesh - Foreman**	**P M Channabasamma - Peon**	**M B Nagaraj - Lab assistant**

Shanmukhaiah - Peon

Tayappa - Peon

TEACHING FACULTY

SL. NO	NAME	DESIGNATION
1	Dr.MURUGESH BABU K.	PROF.
2	Dr.RAVINDRA K. B,	PROF. & HEAD
3	Dr.RAMESH S. N.	ASSOC. PROF.
4	Dr.DINESH Y. N.	ASST. PROF.
5	Dr.CHANDRASEKHARA S.M.	ASST. PROF.
6	NANDIKOL S. S.	ASST. PROF.
7	PATEL M. C.	LECTURER

NON - TEACHING SUPPORTING STAFF

SL.NO	NAME	DESIGNATION
1	JAGADEESH.K.	FOREMAN
2	BASAVARAJAIAH.C.	FITTER
3	NAGARAJA.M. B.	LAB ATTENDER
4	SHANMUKHAIAH	PEON
5	CHANNABASAMMA.P. M.	PEON
6	TAYAPPA.F.	PEON

Departmental Activities

Aug 2019 - July 2020

1. The department bagged 3 VTU ranks (2015-19 batch)in B. Tech. Textile Technology. The details are as follows:

- **Bindu A.T. : I**
- **Veerayya H : IV**
- **Kavya H.N. : V**

2. Mr. Nandikol S.S. attended STTP on "Application of Geosynthetics in Construction Industry" at KSRCT Coimbatore from 27th Jan. to 1st Feb 2020.

3. Department organized "National level awareness program on KVIC and Khadi Gramodyoga on 25-02-2020

4. Mr. S N Ramesh, Associate Prof., attended International Conference on "Handlooms, Fashion, Nonwoven andTechnical Textiles at Osmania University college of Technology- Hyderabad, from 27th - 28th Feb. 2020 and presented a research paper titled **"Applications of mathematical equations to determine the consistency of blend composition in P/C blendedyarn".**

5. Dr. K.B. Ravindra, Dr. Dinesh Y.N. and Dr. S.M. Chandrasekhara Cleared NPTEL course on Evaluationof Textile Materials.

6. Dr. Dinesh Y.N. cleared FDP Course on Textured Yarn Technology through NPTEL.

7. Following two final year students' Projectswere sanctioned by KSCST-Bangalore and the project guided by Dr.S.N. Ramesh was awarded best project of the year.

- Studies on Properties of Woven Fabrics produced from Recycled Cotton Yarn, guided by Dr. S.N. Ramesh
- Development of Baby Diapers and Sanitary Napkins from Bamboo and Organic cotton fibers guided by Dr. S.M.Chandrasekhara

8. Dr. K.B. Ravindra, Dr. S.M. Chandrasekhara and S.S. Nandikol attended FDP (online) program on Fashion Design-An Approach through creative teaching organized by NITTE School of Fashion and Technology, Bangalore from 6th -11th Aug. 2020.

9. Amrutha V.P. of 6th semester and Dr. K Murugesh Babu published a technical paper entitled "Application of IOT in smart textiles and apparel manufacturing" in World Journal of Textile Engineering andTechnology in June 2020 issue IJMRA, April 2018 issue.

10. Venkatesh M.N. of 8th Semester has completed online course on Innovation: TheFashion Industry, conducted by University of Leeds and he completed course on Fashion design conducted by MoMA (The Museum of Modern Arts)

11. One student of 2016-20 batch has cleared NIFT entrance test and got selected to NIFT,Bhuvneshwar for PG course in Fashion Marketing.

12. Four students of 2016-2020 batch are pursuingMBA in VTU

13. Sindhushree, a final year student cleared NPTEL course on Knitting Technology.

14. Dr. S.M. Chandrasekhara is nominated as Member, BOE of Davangere University for Fashion Design program for the year 2020-2021.

15. Dr. Ravindra K.B. nominated as BOE chairmen and Dr. S.M. Chandrasekhara is nominated as BOE member of VTU-Belagavi for Textile Technology program for the year 2020-21.

16. Department organized a Virtual Alumni Meet for 2013 batch alumnion 20/09/2020. About 15 alumni attended the meet. Prof.Y. Vrushabhendrappa-Director, Prof. S. Kankuppi- Dean Academic, Dr. G.P. Desai, Dean, Social welfare and staff members of the department were present in the program.

17. Department organized a State level online technical open book Quiz on 13-12 2020 for students at various Textile Institutes. Textile Technologystudents of BIET secured first and second place and third place was secured by students of REC-Hulkoti.

18. The department has achieved 80% (of the job aspirants) campus placement for 2016-20 batch students. Shahi exports- Bangalore, Shahi exports- Shimoga, Silver Crafts Pvt. ltd. Page Apparels, Rishi garments, Gokaldas Exports, Bangalore were the major recruiters.

19. Department Celebrated Environmental day on 5-06-2020 by planting saplings. Director, Principal and Staff of the department were present for the program.

20. The department has achieved % (of the job aspirants) campus placement for the year 2019-20 and the details are as follows.

Sl. No.	Company	No. of students selected
1	**Gokaldas Exports Ltd., Bangalore**	
2	**Shahi Exports Pvt. Ltd., Bangalore**	
3	**Aquarelle Ltd., Bangalore**	
4	**Texport Industries Ltd., Bangalore**	
5	**Texport Overseas Ltd., Bangalore**	
	Total:	

21. Students of the department participated in various technical events conducted in various part of the country and won many prizes. Following is the details of the participation by students in various technical activities.

Sl. No.	Name of the event	Place	No. of students participated	Date	Prizes won
1.	National level students Symposium – Technical paper presentation	Sona College of Technology – Tamilnadu	01	28th Sept. 2019	II prize

DEPARTMENTAL ACTIVITIES

- ***BLOOD DONATION CAMP***

VoluntaryBlood Donation Camp

(organizedby YRCW, NSS, ISTE & Textile forum in association with SSIMS Davangere)

A Blood Donation Camp was arranged by the Dept. in association with Red Cross and NSS Wing on 27-08-2019. About 150 students of the Institute have donated blood on this occasion.

- ***WELCOME FOR 3rd SEMESTER STUDENTS***

A function was arranged to welcome the 3rd semester studentson12-09-2019. Mr. Manjunath H.B. a well-known Photographer and Journalist of Davangere, was the chief guest of the function. Director, Principal, HOD, Staff & Students of the Dept. were present in the function.

- Special lecture "Present, Past and Future of Textiles in Davangere" was organized on 12-09-2019. Mr. Manjunath H.B. A well-known Photographer and Journalist of Davangere was the speaker.

- As a part of Swatch Bharat Abhiyan, students and staff of Textile Technology Dept. took part in campus cleaning activity on 2-10 2019.

Cleaning of Campus as a part of Swatch Bharat Abhiyan

- **TECHNICAL TALK DELIVERED**

Ramesh S.N. published a research paper entitled "Importance of Quadratic Regression and Linear Regression value on Yarn Properties spun from P/C blends" in Sept. 2019 issue of Spinning –Textiles Journal.

- **DEPUTATION OF FACULTY**

Dr. K. Murugesh Babu was deputed to College of Textile and Clothing Engineering, Soochow University Suzhou, Jiangsu Province, China from July 2019.

- **FDP/WORKSHOP ATTENDED**

Dr. Chandrasekhara S.M. and Mr. Sandesh K.S. attended a STTP on Teaching through ICT mode from 15-07-2019 to 19-07-2019 at BIET organized by Dept. of IS and E, BIET, Davangere.

• ACHIEVEMENTS OF STUDENTS

1. Ms. Suman Makanur of 7th sem. was nominated as Treasurer for ISTE- BIET Student's chapter for the year 2019-20
2. Dr. Harish N (alumnus-2011 batch) is recruited as teaching faculty of Textile Technology Dept. of IIT, New Delhi.
3. Eight students of 2019 batch have joined PG Courses in various Institutes of India and abroad.
4. Ms. Amruta V. P of 5TH Sem cleared NPTEL Course on "Science and Technology of Warp and Weft knitting Technology".
5. Ms. Pragathi G. of 7th sem. presented a Technical paper at Sona College of Technology, Tamilnadu in National level students Symposium on 28th Sept. 2019 and won 2nd prize.
6. Mr Hitesh Das of 5th sem. and Dr. K. Murugesh Babu, published a technical paper entitled "Eco-friendly specialty fibers from Bio- Resources" in World J. of Tex. Eng. and Tech. August, 2019 issue.
7. Mr Hitesh Das of 5th sem. and Dr. K. Murugesh Babu, published a technical paper entitled "Production of Regenerated Sustainable Fibers from Bio- Resources" in Asian Tex. J. – Sept. 2019 issue.
8. A final year students' project titled "Recycling of Waste Fabrics using Shredding machine" was exhibited at KLE-Belagavi, organized by KSCST –Bengaluru from 25th -27th July 2019

Students' Publications:

1. Hitesh Das and KMurugeshBabu, Ecofriendly Specialty Fibres from Bio-Resources, *World Journal of Textile Engineering and Technology*, 5, 1-9 (2019)

Abstract: In the present era of environmental consciousness, sustainable materials play a vital role in protecting public health and environment. The eco-problems in textile industry occur during some production processes and are carried forward right to the finished product. Controlling pollution is as vital as making a product free from the toxic effect. There is a need to produce the material which is eco-friendly. So, the materials can be considered 'environmentally friendly for a variety of reasons'. Concerns for the environment and consumer demand are driving research into environmentally friendly fibres as replacements for part of the 38 million tonnes of synthetic fibres produced annually. The main problems with synthetic fibres are that they are non-biodegradable. In last few decades, the textile industry has witnessed introduction of many new fibres in the market. Recently, environmental concerns and the growing global waste problem have spurred much research into the development of bio-based materials and motivated governments to increase the legislation pressure. Many clothing companies are focussing on use of sustainable fibres for manufacturing textiles and garments. These fibres are eco-friendly and are extracted or manufactured from bio-resources. Many innovations have been reported in recent years regarding the sustainability of these fibres. In this paper production of some regenerated sustainable fibres

from bio-resources such as Viscose rayon, Lyocellfibres, Cuprofibres, Casein fibres, Groundnut protein fibres, Zeinfibres, Soya bean fibres, Silicate fibres and Alginate fibres have been discussed.