

# K.P.M.C.K.B. KARUNARATNE

DEPARTMENT OF TEXTILE AND APPAREL ENGINEERING

Full Name : KARUNARATNE PAKSHAWADI MUDIYANSELAGE

CHARUKA KAVINDA BANDARA KARUNARATNE

Position : LECTURER (PROBATIONARY)

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## **CAREER HISTORY**

- LECTUERER (PROBATIONARY)  
DEPARTMENT OF TEXTILE AND APPAREL ENGINEERING, UNIVERSITY OF MORATUWA  
2024.02.26 – PRESENT
- LECTURER (CONTRACT)  
DEPARTMENT OF TEXTILE AND APPAREL ENGINEERING, UNIVERSITY OF MORATUWA  
2023.05.08 – 2024.02.25
- EXECUTIVE – FABRIC TECHNOLOGIST  
NOYON LANKA (PVT) LTD.  
2022.06.15 - 2023.04.25

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## **TEACHING & ADMINISTRATIVE ACTIVITIES**

1. PRINCIPLES OF YARN MANUFACTURE
2. WEAVING TECHNOLOGY I
3. WEAVING TEXHNOLOGY II & STRUCTURES
4. ADVANCE YARN MANUFACTURE
5. TEXTILE MATERIAL ANALYSIS FOR DESIGN II

### **Administrative Positions**

1. GROUP COORDINATOR – TEXTILE AND APPAREL ENGINEERING (PRE ACADEMIC TERM)  
2023 INTAKE/ 2024 INTAKE

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## **RESEARCH ACTIVITIES**

### **Research Interests**

Novel Yarn manufacturing, Wearable Textiles, Advance Yarn Manufacturing, Electrical Conductive Textiles, E- Textiles

### **Key Research Areas**

Wearable Textiles, Yarn Manufacturing, Fabric Manufacturing

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## **EDUCATION & PROFESSIONAL AFFILIATIONS**

### **Education**

- BSc (HONOURS) in TEXTILE AND APPAREL ENGINEERING  
UNIVERSITY OF MORATUWA  
2017.08.25 – 2022.07.31

### **Professional Affiliations**

1. INSTITUTION OF ENGINEERS SRI LANKA
  2. ENGINEERS COUNCIL SRI LANKA
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## **PUBLICATIONS & PATENTS**

### **Journals**

1. D. M. M. P. Lawrence, K. P. M. C. K. B. Karunaratne, E. A. S. K. Fernando, P. M. N. Dilshan, P. L. Liyanage, T. S. S. Jayawardena, and W. V. P. R. Fernando, “Design and Development of an Automated System for Cutting the Protruding Length of the Sewing Thread Cone,” *Journal of Multidisciplinary Engineering Science and Technology (JMEST)*, vol. 12, no. 9, Sep. 2025.

### **Conferences/Symposium**

1. C. Karunaratne, N. Jayasundara, and N. D. Wanasekara, “Investigation of the thermal and physical properties of fabrics produced by metallic-polymer hybrid yarns,” in *Proceedings of the Textile Engineering Research Symposium 2023*, S. N. Niles, G. K. Nandasiri, M. Pathirana, and C. Madhurangi, Eds. Moratuwa, Sri Lanka: Department of Textile and Apparel Engineering, University of Moratuwa, 2023, pp. 34–36. [Online]
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