

Ashu Kumar

Scientist-B

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ACADEMIC DETAILS

Year	Degree / Board	Institute	GPA / Marks(%)
2021	M.Tech in Fibre Science & Technology	IIT Delhi	9.50
2018	B.Tech (Carpet and Textile technology)	IICT Bhadohi	82.76%
2013	Intermediate, BIHAR BOARD	D B M Inter College Mansurchak	68.4%
2011	Matriculation, BIHAR BOARD	N N Sinha High School Mansurchak	72%

WORK EXPERIENCE

- **Vardhman textiles Ltd., Baddi Himachal Pradesh** (August, 2021 -30/01/2023)
 - Working in Product development cell in following areas: -
 - Process modification and development of optimum stretch of lycra fabrics
 - New product development material or design wise
 - Setting of process route of different types of fabric
 - New finishing chemicals trials to replace existing with cost and performance effective alternative chemicals
- **AYM Syntex Ltd., Silvassa** (August,2018 - July,2019)
 - Worked in BCF Department as Shift Incharge of Production.
 - Learnt skill to operate BCF machines from Chips Drying to take-up at winder, Texturizing, Intermingling.
 - Learnt skill to play with parameter to make different denier, different filament different colored BCF yarn.
 - Learnt skill to handle workers.

INDUSTRIAL TRAINING

Study of Defects and Analysis in Processing Department, GHCL LTD. Textile Division (June, 2017 -July, 2017)

Achievements:

- Gained practical knowledge of Processing, From Grey fabric to finishing.
- Study the Defects produced in different stage of processing.
- Got knowledge about sampling in dyeing.
- **Shahi Exports Pvt Ltd. (Unit Sarla Fabrics), Ghaziabad** (June,2016 - July,2016) in Processing Department.
 - Done Practical Training of all the Machines (Singeing to finishing).
 - Practical training of different dyeing Machines.
- **Jaipur Rugs, Bhadohi** (January,2018 - April,2018) in Handloom Department.
 - Gained knowledge of Handloom carpet manufacturing.
 - Learnt the challenges in manufacturing and finishing.
 - manufacturing and finishing.

RESEARCH/PROJECTS

- **Application of HexaRel(Reliance) innovative graphene based technology on the fabric**
- **Study of COD and BOD of different chemicals used in plant and find out the replacement of chemicals causing high BOD:COD ratio**
- **Effect of finishing treatments on Hand value of fabrics (Ashwini Agarwal) -M.Tech Project**
- **Study of wash and light fastness properties of binary mixture of natural dyes on woolen fabric -B.Tech project**

ACHIEVEMENTS

- Graduate Aptitude Test in Engineering (GATE) Rank: **AIR-13 in 2018**
- Graduate Aptitude Test in Engineering (GATE) Rank: **AIR-20 in 2022**
- First Position in B.tech First and Second Year.
- Scored 99 marks out of 100 in Engineering mathematics.

AREA OF INTEREST

- Chemical processing of textiles
- Silk extraction/Reeling
- Non textile application of silk
- Technical textiles