



DIPANWITA RAY

Department of Fibres and Textile Processing Technology

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B.Tech

Female

DOB: 29-10-1995

➤ **ACADEMICS**

EXAMINATION	UNIVERSITY	INSTITUTE	YEAR	GRADE
2 nd Year B.Tech	ICT, Mumbai	ICT, Mumbai	2016	CGPA: 8.12/10
Intermediate/ +2	Maharashtra State Board of Higher Secondary Education	Pace, Jr. Science College	2014	84.5%
Matriculation	Council for the Indian School Certificate Examinations	Pawar Public School	2012	92.4%

➤ **ACHIEVEMENTS**

- Recipient of DST-INSPIRE Scholarship for being in the top 1% in Maharashtra State HSC Exam
- 94.2 percentile in Engineering Entrance Exam, University General Merit Rank 444 (Ladies)
- Ranked 2nd in S.Y. B. Tech at Department of Fibres and Textile Processing Technology with SGPA 9.71
- Exchange student to Netherlands under the EUMIND Program
- Won the first prize in technical poster presentation competition (2016). Topic- Emerging Trends in Healthcare Textiles

➤ **TECHNICAL INTERESTS**

- Chemical and Physical Modification of Fibres
- Functional Finishes and Coatings
- Sustainable Developments in Textile
- Application of Nanofibers and Nanomaterials in Textiles
- Green Composites
- Fibres from Biomaterials
- Natural Dyes, Smart Dyes

➤ **PROJECTS**

- “Use of Advertisements and Media by Apparel Brands: What Works Best.” *Spring 2016*
Guide: Prof. (Dr.) M. D. Teli
A survey was conducted to find out the use of advertisements, Corporate Social Responsibility (CSR), and Eco-Friendly practices deployed by apparel brands for branding. Influence of the mentioned factors on apparel consumers and their purchase intention was also studied.
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➤ PRESENTATIONS

- Non-Wovens in Medical Textiles
 - Silk vs. Viscose Rayon: Which is better?
 - Glass fibres and its Applications
 - Drying machines in Textile Industry
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➤ RELEVANT COURSES

- Theory:
[Completed]
Transport Phenomena, Colour Physics, Technology of Textile Polymers, Natural and Synthetic Fibres, Technology of Yarn and Fabric Manufacturing, Technology of Textile Coloration, Technology of Textile Pre-Treatment, Organic Chemistry, Physical Chemistry, Analytical Chemistry

[To be completed by 2017]
Chemical Reaction Engineering, Chemical Engineering Operations, Instrumentation, Testing of Textile Materials, Technology of Chemical and Mechanical Finishing, Speciality Chemicals and Auxiliaries, Technology of Textile Dyeing and Printing, Technology of Garment Manufacturing, High-Tech and Industrial Fibres, Textile Process House Management, Technology of Non-Wovens
 - Practical:
[Completed]
Analysis of Textile Chemicals, Textile Pre-Treatment, Experimental Dyeing (I)

[To be completed by 2017]
Tinctorial Chemistry, Evaluation of Speciality Chemicals, Chemical Engineering Laboratory, Experiments in Printing, Experimental Dyeing (II)
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➤ POSITION OF RESPONSIBILITY

- Deputy Head Girl, Pawar Public School
 - Worked as a volunteer in World Textile Conference 2016
 - Co-Ordinator of Photography in Vortex '15, Manzar '16 (Technical and Cultural Events of ICT)
 - Worked as a volunteer for various events of the 'Art Club of ICT'
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➤ EXTRA CURRICULAR ACTIVITIES

- Participated in Cyclothon followed by Cleanliness drive organised by Hindustan Times Newspaper
 - Obtained grade 'B' in the Maharashtra State Board Drawing Grade Exams (Elementary)
 - Canvas Painting, Sketching Fashion Illustration, and teaching drawing to underprivileged children.
 - Crowned as 'Miss. PPS' in the 10th Std. farewell of Pawar Public School.
 - Photography (Nature, Street, Architecture, Fashion)
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