

**Maulana Abul Kalam Azad University of Technology, West Bengal**  
**(Formerly West Bengal University of Technology)**  
**Syllabus for B. Tech in Apparel Production Management (APM)**  
**(Applicable from the academic session 2018-2019)**

**Curriculum Structure**  
**3<sup>RD</sup> SEMESTER APM**

Sl No.	Category	Subject Code	Subject Name	Contact hours			Credits
				L	T	P	
Theory							
1	Engineering Science	ES TT 301	Theory of Machines	2			2
2	Basic Science	BS 301	Biology for Engineers	3			3
3	Professional Core I	PC APM 301	Textile Fibres and Yarns	3			3
4	Professional Core II	PC APM 302	Apparel Production –I : Basic Pattern Making	3			3
5	Professional Core III	PC APM 303	Elements of Fashion & Costume Design	3			3
6	Humanities & Social Sciences including Management courses	HM 301	Economics for Engineers	3			3
Total Credit Theory							17
Practical							
1	Engineering Science	ES TT 391	Theory of Machines Lab			3	1.5
2	Professional Core Lab I	PC APM 391	Testing of Fibres and Yarns Lab			3	1.5
3	Professional Core Lab II	PC APM 392	Apparel Production - I Lab			3	1.5
Total Credit Practical							5.5
Total for Third Semester				16		12	22.5

**ES TT 301 & 391-Common for Textile Technology and Apparel Production Management  
Programmes of MAKAUT**

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**Curriculum Structure**  
**4<sup>th</sup> SEMESTER APM**

Sl No.	Category	Subject Code	Subject Name	Contact hours			Credits
				L	T	P	
Theory							
1	Basic Science	BS TT 401	Mathematics III	3			3
2	Engineering Science	ES TT 401	Digital Electronics & Microprocessor	2			2
3	Professional Core IV	PC APM 401	Textile Fabrics Formation	3			3
4	Professional Core V	PC APM 402	Chemical Processing of Textiles - I	3			3
5	Professional Core VI	PC APM 403	Apparel Production - II	3			3
6	Mandatory Course	MC 401	Environmental Science	3			0
Total Credit Theory							14
Practical							
1	Engineering Science	ES TT 491	Numerical Method Lab			2	1
2	Engineering Science	ES TT 492	Digital Electronics & Microprocessor Lab			3	1.5
3	Professional Core Lab IV	PC APM 491	Textile Fabrics Formations Lab			3	1.5
4	Professional Core Lab V	PC APM 492	Chemical Processing of Textile Lab I			3	1.5
5	Professional Core Lab VI	PC APM 493	Apparel Production Lab II			3	1.5
6	Humanities & Social Sciences including Management courses	HU 481	Technical Report Writing and Language Lab			2	1
Total Credit Practical							8
Total for Fourth Semester				17		16	22.0

**BS TT 401; ES TT 401, ES TT 491 & 492 -Common for Textile Technology and Apparel Production Management Programmes of MAKAUT**

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**Curriculum Structure**  
**5<sup>th</sup> SEMESTER APM**

Sl No.	Category	Subject Code	Subject Name	Contact hours			Credits
				L	T	P	
Theory							
1	Professional Core VII	PC APM 501	Chemical Processing of Textile - II	3			3
2	Professional Core VIII	PC APM 502	Apparel Production - III (Stitching, Finishing)	3			3
3	Professional Core IX	PC APM 503	Testing of Fabrics and Design Analysis	3			3
4	Professional Elective I	PE APM 501 A/B	Knitting & Knitwear Technology/ Manufacturing of Apparel Allied Accessory	3			3
5	Professional Elective II	PE APM 502 A/B	Statistical Quality Control in Apparel/ Applied Statistics in Apparel	3			3
6	Open Elective I	OE TT 501 A/B	Total Quality Management / Principle of Marketing and Management	3			3
Total Credit Theory							18
Practical							
1	Professional Core Lab VII	PC APM 591	Chemical Processing of Textile Lab II			3	1.5
2	Professional Core Lab VIII	PC APM 592	Apparel Production Lab III			3	1.5
3	Professional Core Lab IX	PC APM 593	Testing of Fabric & Design Analysis Lab			3	1.5
4	Professional Elective Lab I	PE APM 591 A/B	Knitting & Knitwear Technology Lab/ Manufacturing of Apparel Allied Accessory Lab			3	1.5
Total Credit Practical							6
Total for Fifth Semester				18		12	24.0

**OE TT 501 A/B -Common for Textile Technology and Apparel Production Management Programmes of MAKAUT**

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**Curriculum Structure**  
**6<sup>th</sup> SEMESTER APM**

Sl No.	Category	Subject Code	Subject Name	Contact hours			Credits
				L	T	P	
Theory							
1	Professional Core X	PC APM 601	Apparel Quality Assurance	3			3
2	Professional Core XI	PC APM 602	IT & CAD/CAM in Apparel Production	3			3
3	Professional Core XII	PC APM 603	Technology of Apparel Machinery and Maintenance	3			3
4	Professional Core XIII	PC APM 604	Apparel Merchandising , Costing & Production Planning	3			3
5	Professional Elective III	PE APM 601A/B	Advance Pattern Making and Garment Construction/ Home Furnishing	3			3
6	Open Elective II	OE TT 601 A/B/C	Introduction to Java /Introduction to Python/ Internet of Things	2			2
Total Credit Theory							17
Practical							
1	Professional Core Lab X	PC APM 691	Apparel Quality Assurance Lab			2	1
2	Professional Core Lab XI	PC APM 692	IT & CAD/CAM in Apparel Production Lab			3	1.5
3	Professional Core Lab XII	PC APM 693	Technology of Apparel Machinery and Maintenance lab			2	1
4	Professional Elective Lab II	PE APM 691A/B	Advance Pattern Making and Garment Construction Lab/ Home Furnishing Lab			2	1
Total Credit Practical							4.5
Total for Sixth Semester				17		9	21.5

**OE TT 601 A/B/C-Common for Textile Technology and Apparel Production Management Programme of MAKAUT**

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**Curriculum Structure**  
**7<sup>th</sup> SEMESTER APM**

Sl No.	Category	Subject Code	Subject Name	Contact hours			Credits
				L	T	P	
Theory							
1	Professional Elective IV	PE APM 701 A/B/C	Retail Management and Visual Merchandising/ Yarn and Fabric Sourcing in Apparel/ Modern Developments in Garment Manufacturing Process: Industry 4.0	3			3
2	Professional Elective V	PE APM 702A/B	Clothing and Comfort Science/ Protective Clothing	3			3
3	Open Elective III	OE APM 701A/B/C	Nano Technology /New Generation Fibre/Robotics	3			3
4	Open Elective IV	OE APM 702 A/B	Supply Chain Management/ Entrepreneurship Development	3			3
5	Open Elective V	OE APM 703 A/B/C	ERP/RDBMS/Soft Computing & Image Processing	3			3
Total Credit Theory							15
Practical							
1	Professional Core Lab XIII	PC APM 791	Product Design Lab and Portfolio Presentation			4	2
2	Internship in industry	PW APM 781	Industrial Internship (4 weeks)				2
3	Project work	PW APM 782	Project I			8	4
Total Credit Practical							8
Total for Seventh Semester				15		12	23.0

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**Curriculum Structure**  
**8<sup>th</sup> SEMESTER APM**

SI No.	Category	Subject Code	Subject Name	Contact hours			Credits
				L	T	P	
Theory							
1	Humanities & Social Sciences including Management courses	HM 801A/B	Industrial Management/ Production Planning & Control	2			2
2	Non-credit subject	MC 801A/B	Indian Constitution/Essence of Indian Knowledge and Tradition	3			0
Total Credit Theory							2
Practical							
1	Project Work	PW APM 881	Project II			14	7
Total Credit Practical							7
Total for Eight Semester				5		14	9.0

**Abbreviation:**

APM: Apparel Production Management;

BS: Basic Science;

ES: Engineering Science

PC: Professional Core;

HM/HU: Humanities & Social Sciences including Management;

PE: Professional Elective;

OE: Open Elective;

MC: Mandatory Non Credit Course

PW: Project Work

X9Y: Lab;

X8Y: Sessional

Where, X may be PC APM/ PE APM / ES TT/ HU/ PW APM followed by Numerical Representation of a Specific Semester

Y may be 1/2/3 etc.