

Scheme & Syllabus of
UNDERGRADUATE DEGREE COURSE

B.Tech. VII & VIII semester

PLASTIC TECHNOLOGY



Rajasthan Technical University, Kota
Effective from session: 2023-24



RAJASTHAN TECHNICAL UNIVERSITY, KOTA

Scheme & Syllabus

IV Year- VII & VIII Semester: B.Tech. (Plastic Technology)

Teaching & Examination Scheme

B.Tech.: Plastic Technology

4th Year – VII Semester

THEORY											
SN	Category	Course		Contact hrs/week			Marks			Cr	
		Code	Title	L	T	P	Exam Hrs	IA	ETE		Total
		Any One									
1	PCC	7PT4-01	Plastic Waste Management and Recycling methods	3	0	0	3	30	120	150	3
		7PT4-02	Nanomaterials and their applications								
		7PT4-03	Elastomer Technology								
2	OE		Open Elective I: To be chosen from the bundle of open electives floated by other departments	3	0	0	3	30	120	150	3
Sub Total				6	0	0		60	240	300	6
PRACTICAL & SESSIONAL											
3	PCC	7 PT4-21	Advance Engineering Lab-I	0	0	2	3	30	20	50	1
4		7 PT4-22	Advance Mould Analysis Lab	0	0	2	3	30	20	50	1
5		7 PT4-23	Minor Project* [#]	0	0	4	0	60	40	100	2
6	PSIT	7PT7-30	Industrial Training	1	0	0	1	75	50	125	2.5
7		7PT7-40	Seminar*	2	0	0	2	60	40	100	2
8	SODECA	7PT8-00	Social Outreach, Discipline & Extra Curricular Activities	0	0	0		0	25	25	0.5
Sub-Total				3	0	8		255	195	450	9
TOTAL OF VII SEMESTER				9	0	8		315	435	750	15

*for the purpose of counting teaching load

#Evaluation by one internal and one external examiner (External examiner will preferably be from industry)

L: Lecture, T: Tutorial, P: Practical, Cr: Credits

ETE: End Term Exam, IA: Internal Assessment



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THEORY											
SN	Category	Course		Contact hrs/week			Marks				Cr
		Code	Title	L	T	P	Exam Hrs	IA	ETE	Total	
		Any One									
1	PCC	8PT4-01	Additive Manufacturing for Polymer Products	3	0	0	3	30	120	150	3
		8PT4-02	Adhesives and Surface Coatings								
		8PT4-03	Biomedical Plastics								
2	OE		Open Elective II: To be chosen from the bundle of open electives floated by other departments	3	0	0	3	30	120	150	3
Sub Total				6	0	0		60	240	300	6
PRACTICAL & SESSIONAL											
3	PCC	8 PT4-21	Advance Engineering Lab-II	0	0	2	3	30	20	50	1
4		8 PT4-22	Advance Polymer Processing Lab	0	0	2	3	30	20	50	1
5	PSIT	8 PT7-50	Project ^{*#}	3	0	0	3	210	140	350	7
6	SODECA	8PT8-00	Social Outreach, Discipline & Extra Curricular Activities	0	0	0		0	25	25	0.5
Sub-Total				3	0	4		270	205	475	9.5
TOTAL OF VIII SEMESTER				9	0	4		330	445	775	15.5

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