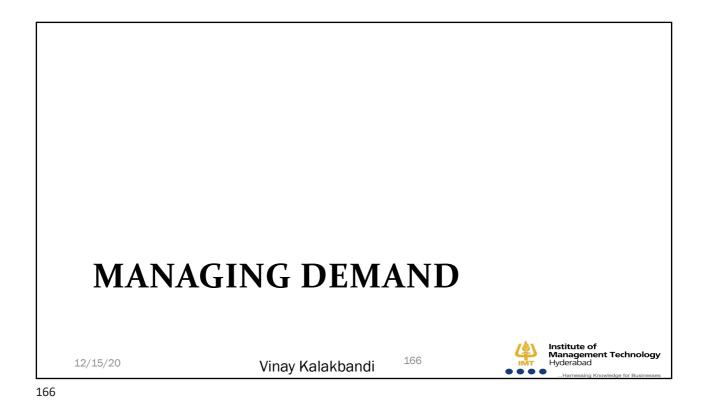


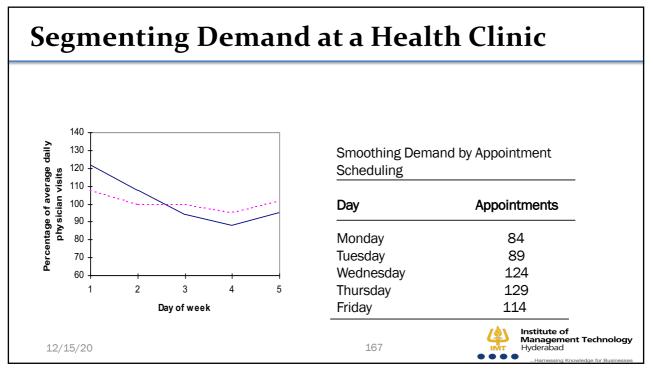
Managing supply

- Increasing customer participation
- Creating adjustable capacity
- Sharing capacity
- Cross training employees
 - Using part time employees

12/15/20

Vinay Kalakbandi ¹⁶⁵





Discriminatory Pricing for Camping

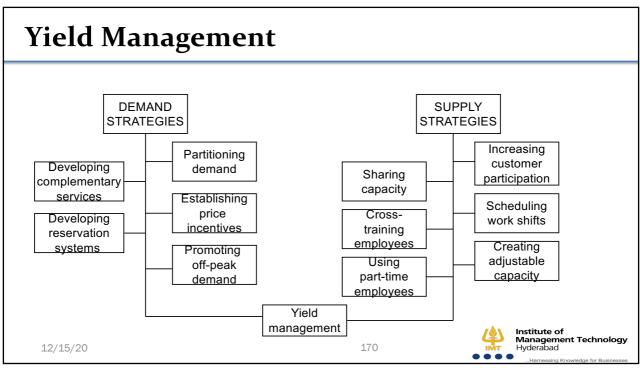
Experience			No. of	Daily		
type	Days and week	s of camping season	days	fee		
1	Saturdays and Sund	lays of weeks 10 to 15, plus	14	\$6.00		
	Dominion Day and	civic holidays				
2	Saturdays and Suno plus Victoria Day	lays of weeks 3 to 9 and 15	to 19, 23	2.50		
3	Fridays of weeks 3 t	o 15, plus all other days of v	veeks 43	0.50		
	9 to 15 that are no	ot in experience type 1 or 2				
4	Rest of camping sea	son	78	free		
EXISTING REV	ENUE VS PROJECTED F	EVENUE FROM DISCRIMIN	ATORY PRICING			
	Evipting flot f	on of CO EO	Disoriminata	ny fao		
Experience	Existing flat f	ee of \$2.50	Discriminato Campsites	ry fee		
Experience	Campsites		Campsites			
type	Campsites occupied	Revenue	Campsites occupied (est.)	Revenue		_
type 1	Campsites occupied 5.891	Revenue \$14,727	Campsites occupied (est.) 5,000	Revenue \$30,000		_
type 1 2	Campsites occupied 5.891 8,978	Revenue \$14,727 22,445	Campsites occupied (est.) 5,000 8,500	Revenue \$30,000 21,250		_
type 1	Campsites occupied 5.891 8,978 6,129	Revenue \$14,727 22,445 15,322	Campsites occupied (est.) 5,000	Revenue \$30,000		_
type 1 2 3 4	Campsites occupied 5.891 8,978 6,129 4,979	Revenue \$14,727 22,445 15,322 12,447	Campsites occupied (est.) 5,000 8,500 15,500	Revenue \$30,000 21,250 7.750		_
type 1 2	Campsites occupied 5.891 8,978 6,129	Revenue \$14,727 22,445 15,322	Campsites occupied (est.) 5,000 8,500	Revenue \$30,000 21,250		_
type 1 2 3 4	Campsites occupied 5.891 8,978 6,129 4,979	Revenue \$14,727 22,445 15,322 12,447	Campsites occupied (est.) 5,000 8,500 15,500	Revenue \$30,000 21,250 7.750		_
type 1 2 3 4	Campsites occupied 5.891 8,978 6,129 4,979	Revenue \$14,727 22,445 15,322 12,447	Campsites occupied (est.) 5,000 8,500 15,500	Revenue \$30,000 21,250 7.750		
type 1 2 3 4	Campsites occupied 5.891 8,978 6,129 4,979 25,977	Revenue \$14,727 22,445 15,322 12,447	Campsites occupied (est.) 5,000 8,500 15,500	Revenue \$30,000 21,250 7.750	Щ 🗳 м	stitute of anagement Technolog vderabad

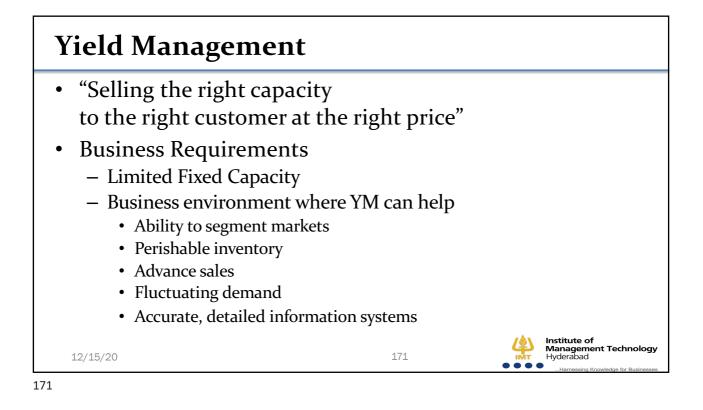
168

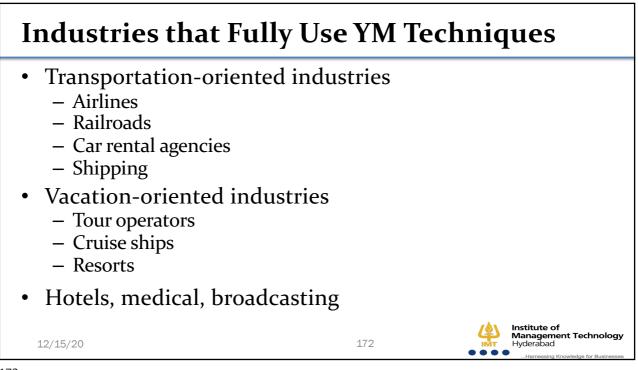
Managing demand

- Promoting off peak demand
- Developing complementary services
- Reservation systems and overbooking

169





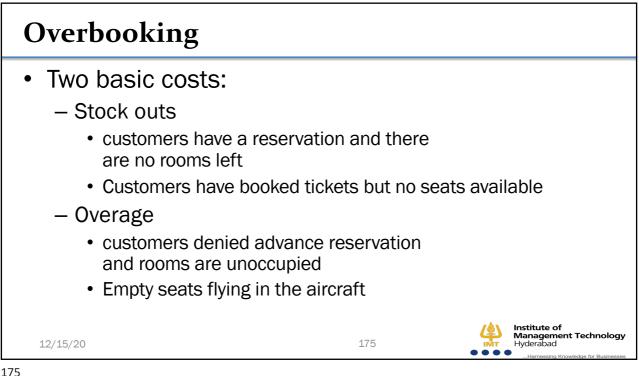


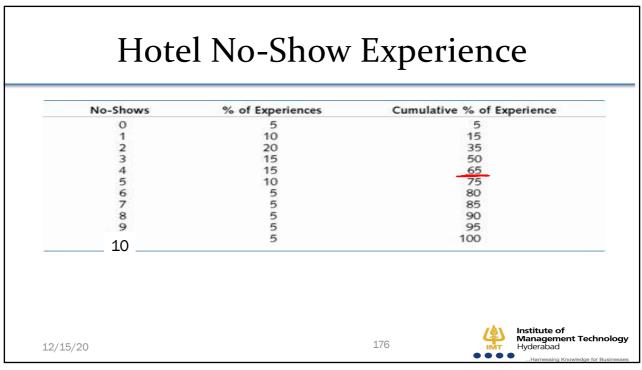
Elements of a Yield Management System

- Overbooking
- Price Discrimination & Capacity Allocation
- Network Management

12/15/20

Overbooking Need for overbooking • Fairness concerns Pros and cons v/s waitlisting **Institute of Management Technology** Hyderabad 12/15/20 174 174

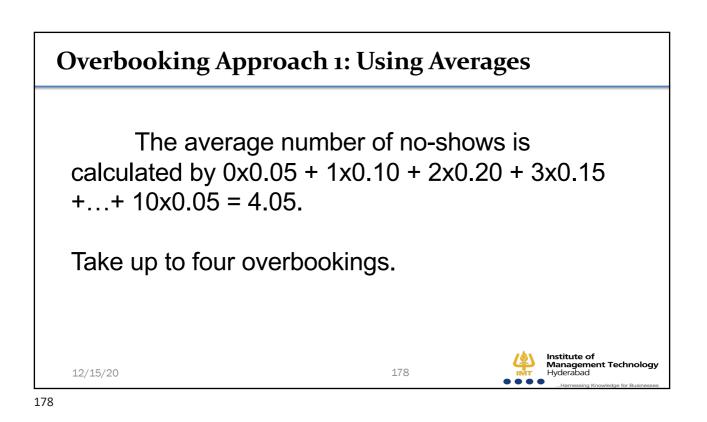




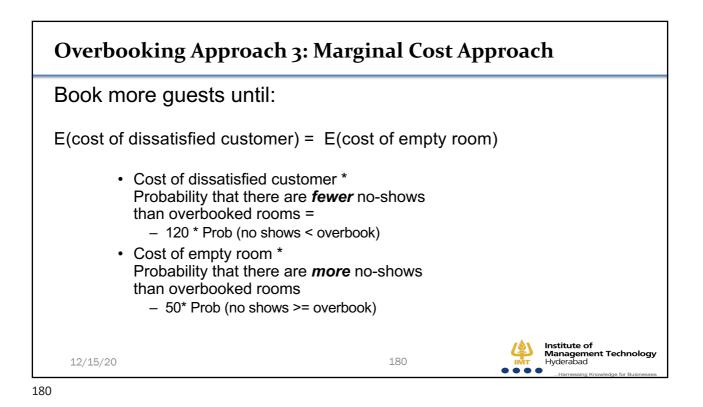
What other data do you need? Room rent is \$50 20% customers mutter menacingly and walk out Others are so upset they break furniture worth \$150 Stock outs: 0.8 x \$150 = \$120 Overage: \$50 **Institute of Management Technology** Hyderabad

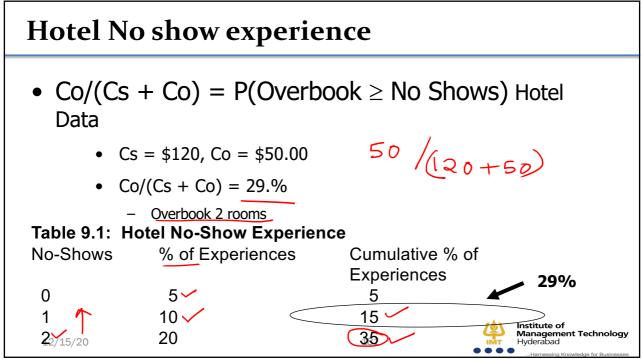
177

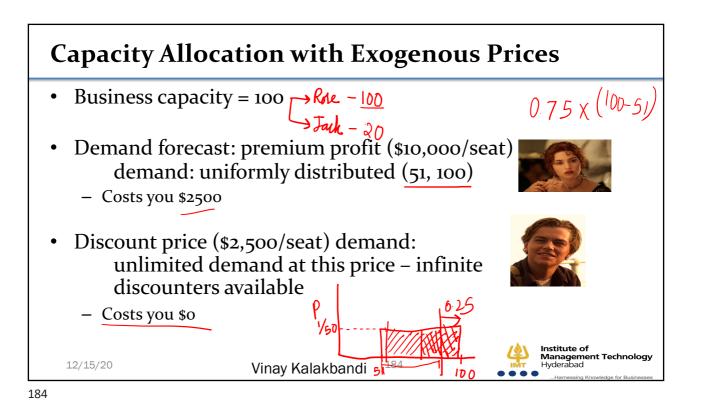
12/15/20

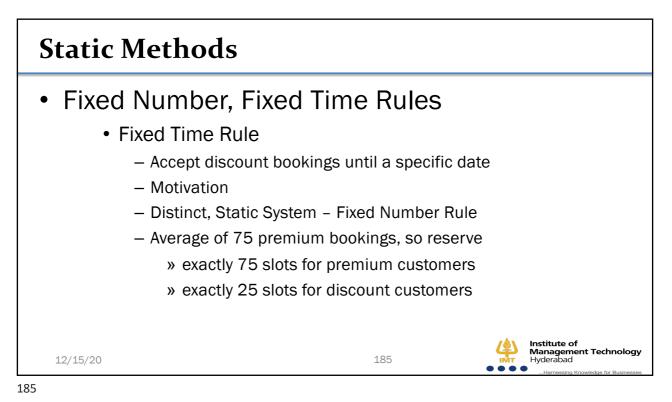


		<u> </u>	'P'	ead			1 11	iui	010	,	_		_	
No-Shows	Probability	ര	1	Number 2	of Rese	ervations 4	Overbo	oked	7	8		9		10
0	0.05	\$ 0	\$120	\$240	\$360	\$480	\$600	\$720	\$840	\$960	¢	1.080	¢	1,200
1	0.10	\$ 50	\$ 0	\$120	\$240	\$360	\$480	\$600	\$720	\$900 \$840	.₽ \$	960		1,200
2	0.20	\$100	\$ 50	\$ 0	\$120	\$240	\$360	\$480	\$600	\$720	\$	840	\$	
3	0.15	\$150	\$100	\$ 50	\$ 0	\$120	\$240	\$360	\$480	\$600	\$	720	\$	840
4	0.15	\$200	\$150	\$100	\$ 50	\$ 0	\$120	\$240	\$360	\$480	\$	600	\$	720
5	0.10	\$250	\$200	\$150	\$100	\$ 50	\$ 0	\$120	\$240	\$360	\$	480	\$	600
6	0.05	\$300	\$250	\$200	\$150	\$100	\$ 50	\$ 0	\$120	\$240	\$	360	\$	480
7	0.05	\$350	\$300	\$250	\$200	\$150	\$100	\$ 50	\$ 0	\$120	\$	240	\$	360
8	0.05	\$400	\$350	\$300	\$250	\$200	\$150	\$100	\$ 50	\$ O	\$	120	\$	240
9	0.05	\$450	\$400	\$350	\$300	\$250	\$200	\$150	\$100	\$ 50	\$	0	\$	120
10	0.05	\$500	\$450	\$400	\$350	\$300	\$250	\$200	\$150	\$100	\$	50	\$	0
Total Cost		\$203	\$161	\$137	\$146	\$181	\$242	\$319	\$405	\$500	\$	603	\$	714
	7-			- P;'			(Cu		-)				

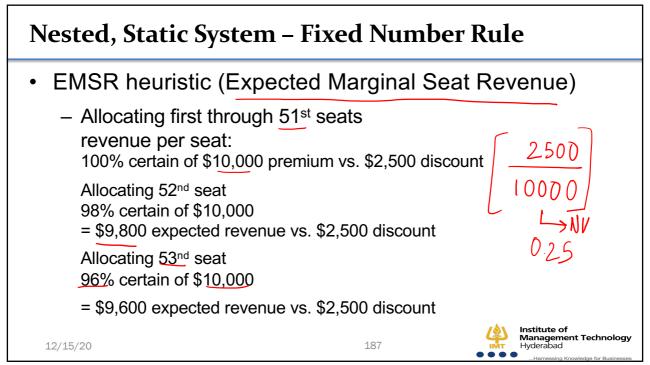




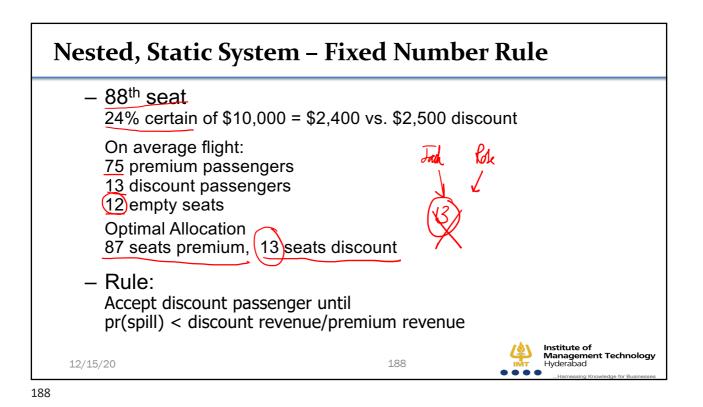


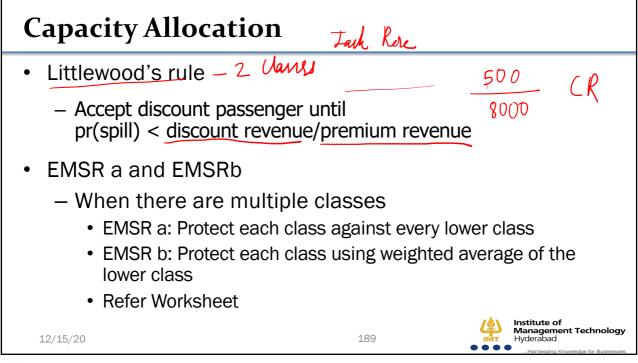


Static Methods		
 Fixed Number, Fixed Time – Nested, Static system – Fi Average of 75 premium be 75 slots for premium cust remaining 25 go FCFS 	ixed Numbe pokings, so	
 Example: 85 premium and 15 pass 	engers wish	to book
 Distinct, Static system: Nested, Static system: 	•	um,15 discount um,15 discount
12/15/20 186	186	Institute of Management Technology Hyderabad

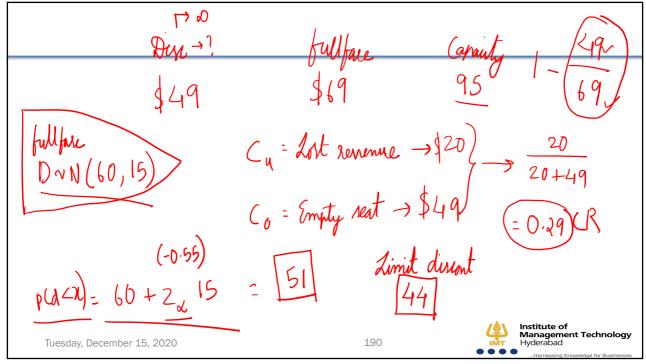


SOM

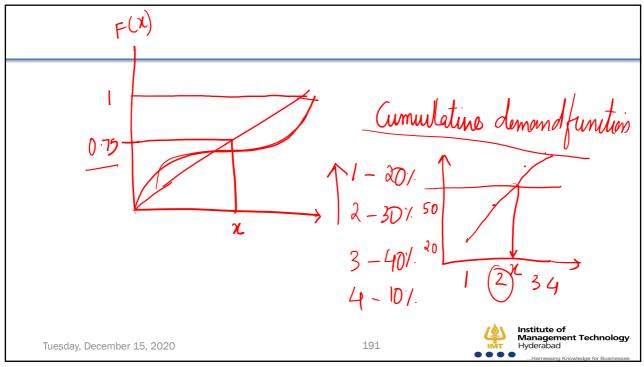




SOM



190



DISCOUNT 60%-30% H, Q, M 10%-15% small normal 14-30 days	PROMOTION 40%-25% K, V 0%-10% small normal 30-60 days
60%-30% H, Q, M 10%-15% small normal	40%-25% K, V 0%-10% small normal
10%-15% small normal	0%-10% small normal
small normal	small normal
normal	normal
14-30 days	30-60 days
partial	no
7-14 days	7-14 days
5%-50%	20%-80%
holiday	group
-1.4	-2.0
	5%-50% holiday

