



# IIT Madras

## BSc Degree

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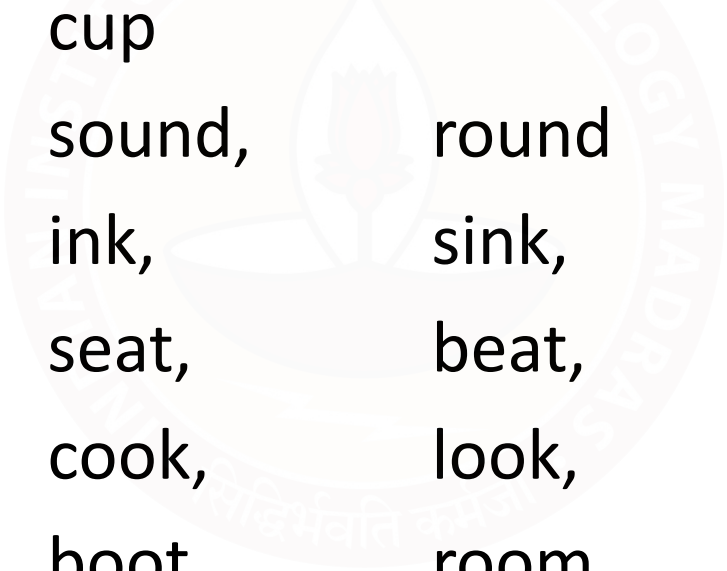
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# Speech Sounds in English

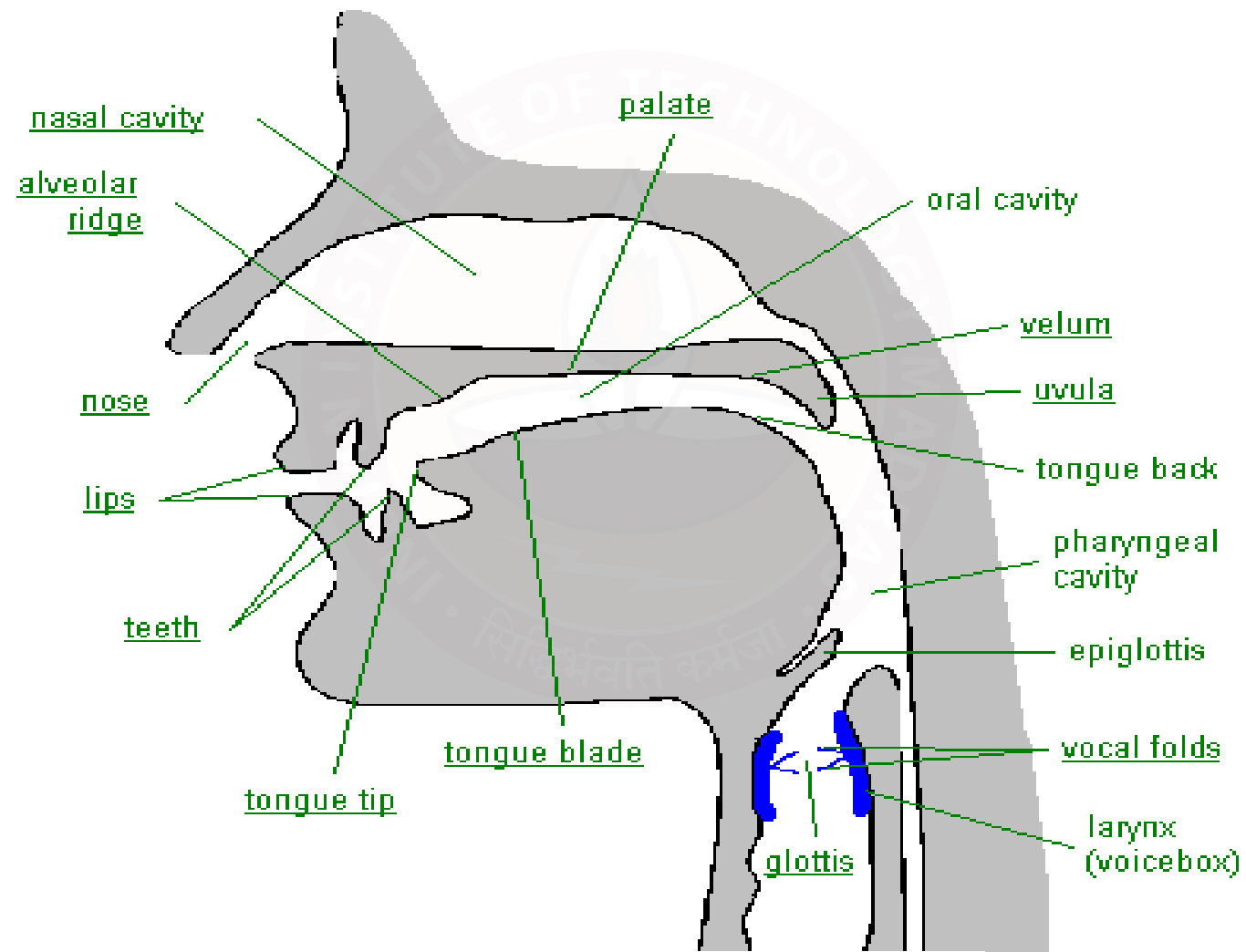
Rajesh Kumar

# Articulation of Vowel Sounds

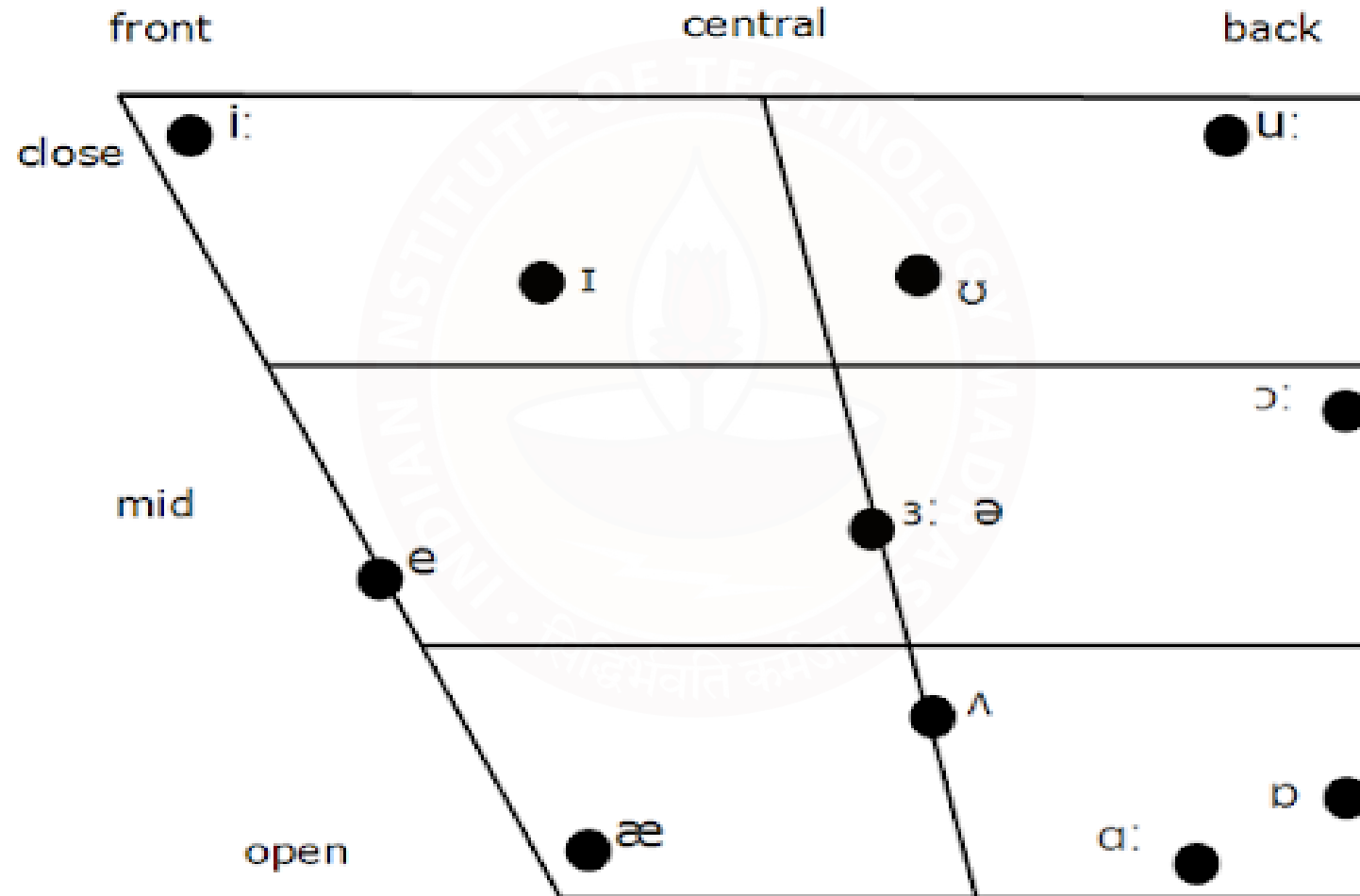


a	up,	cup		
aa	father,	sound,	round	
i	in,	ink,	sink,	drink
li	clean,	seat,	beat,	feet
u	book,	cook,	look,	
uu	zoo,	boot,	room	

# Articulators



# Understanding vowel sounds



English vowels. The figure represents the mouth

# Articulation of Consonant Sounds

*Oral Sounds*

*Nasal Sounds*

	-asp -voice	+asp -voice	-asp +voice	+asp +voice	
Velar	k	kh	g	gh	ng
Palatal	c	ch	j	jh	ny
Retroflex	T	Th	D	Dh	N
Dental	t	th	d	dh	n
Labial	p	ph	b	bh	m

	bilabial	labio-dental	dental	alveolar	post-alveolar	palatal	velar	glottal
stop	<b>p b</b>			<b>t d</b>			<b>k g</b>	<b>ʔ</b>
nasal	<b>m</b>			<b>n</b>			<b>ŋ</b>	
flap				<b>ɾ</b>				
fricative		<b>f v</b>	<b>θ ð</b>	<b>s z</b>	<b>ʃ ʒ</b>			<b>h</b>
approximant				<b>ɹ</b>		<b>j</b>		
lateral approximant				<b>l</b>				