	HMI AGSIGNMENT 1
l Wasangara	Townson, Patil
	Jannejay Patil Roll no: BE-A 52
	ROUND: BE A JZ
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	Problem Statement
	-> Things that don't work the way
	you expect
	and the street of the street
F	Fitness devices are getting more and more
	powerful each year. Companies like
	Fitbit, Samsung, Mi and others are always
	edding new features to their devices.
	that keep a track of enrything from
	simple step counts to potentially detecting
	Seep aprea.
	But do you must your weakable to report
	- all those morningers correctly de months
	Mouber not aux the manner
1 3 15-9	with Engly who william was atold word and
	Most warables nowadays comes with
	optical heart rate sensors. But the resting
	and active heart rate, heart rate zones,
	and other nitty - gritty heart rate details
	are inaccurate most of the time.
	Optical heart rate sensors work by shining an
	LED disept directly onto your skin and manitoming
	how that eight reflects off your blood
	ressels. Sensors picks up all the information
	and process it into easy to understand
X	pulse readings.
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	classmate Date Page 2
	A committee that police and the
	However no of factore can skew this data:
	Color of your skin
	Amount of hair on your workst
	How tightly you are wearing the band
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	Also different companies have different methods
	metrics and sensors which even't all at
	Same level.
	thence there are high chances that two different fitness trackers will show different readings at
	any given point.
	0 0
	How can we improve fitness trackor's accuracy?
	7 Follow manufacturer le guidlines
	- Wear your fitness tracker firmly on your worlst
	-> Don't wear fitness tracker on your dominant whist
	> Tweek settings to your comfortability in
	your fitness tracker app.
	-> Buy the right gear : quality products with
	higher reliability
-	
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