the same of the sa	Page: 7
and the state of t	
	I) Bivetooth
- Wife (Whelesa Stlatay)	
The state of the s	Definition: It's a short-range vireless communication protocol
solven to restoring the yelder a so they mitted to	used to exchange data between devices over a
	low-power, secure and low-latency connection.
y we true at a depth of the store of the country to	It is standardized under the IFFE 802.15.1.
with day of the statement of topical ad	
which mothaged trade give sound other prise	> key features: i) low energy consumption.
(m sot of 40)	ij Short-range communication
Bosol on the IEEE SORIES foncy of alonder	iii). Mesh networking
	M. Festi Peterini
yey featones; i) High-speed date transfer	Peal -18Fe Andrewing . 1) 11. 11.
Whitelest and the lit	Real - life Application: i) Healthcare
in) Security	ii). Wearables
and the same of th	iii) Smart home
	iy). Automotive.
Real-ICFE Applications I) court Henry	
ii) Healtheave	Advantages: i) Low power consumption
(Jell) In Landoubit (ii	Advantages: i) Low power consumption ii) Widely supported. iii) Low cost.
	iii) low cost.
they be proved to the depth (in separated)	
totale gistile di	Des advantages: i) limited range
gradue of years planting for	DPs advantages: i). I innêted range ii). lower data transfer route.
	iii). Intenference.
and the same of th	
morphism and the first the second	
A Little and the control of the cont	
A STATE OF THE PARTY OF THE PAR	Teacher's Signature & Date:

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Dige 3	The state of the s		
田)	Zig Bee		
	Definition: ZigBee is specification for a set of high-level		
	commonication protocols designed for low-power,		
	10w-data-rate wireless communication		
	It is based on the IFFE 802.15.4 and often		
	used in automation, control and sensor networks.		
	> key features: i) Low power consumption.		
	ii) Mesh networking		
	iii) low data rates		
	iv). Security. (AES -128 encryption)		
	-> Real-world Application: 1). Home automotion.		
	ii) Industrial control		
	iii). Smart agréculture.		
	iy). Healthcare		
	Advantages: i) Low power		
	Advantages: i) Low power ii) Mesh networking		
	iii). Robust and secure.		
	Disadvantages: i) Low data rates		
	Désadvantages: i). Low data rates ii). Limited range iii) Complexity.		
	iii) Complexity.		

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	Page: 9
20d pt. (in	I) LoRa (Long Rarge)
TORRITION: Types is openitioned in set of but inel	Definition: LoRa is a long-range low-power voireless
acommunication pretocels designed for low-power.	communication protoct designed for voide-area
tow-data, yate wiveless summation	JoT networks.
IF (a hadd on the IEEE - 602-15-14 and offen	It uses sub-GHZ radio frequencies and is
call in automother and series retirely	optimized for love-bandwidth, long-range communication
- Key Fatures: 1) Law person consumption	> key features: i) long-range communication (up to 15-30 km)
T) this networking	ii) Low power
Cates phalo and lill	ii) low data rates
	iv). Scalable
iv) sountly (ARS 128) waryphers)	The state of the s
	-> Real-world Application: i) Agriculture
-> Real-world Application: 1). Horne automotion	ii) Smart affect
towing to twit what (iii	iii Inaistics
mutherings thomas (in	ii) Logistics iv) finergy management.
Description (V)	The state of the s
associated (i repotential)	i) Long-range ii) Long-range
Spridymorters death (ii	ii) Boalable.
16) Robost card reader	III). Ocalable.
they total sight is applicable of	Disadvantages: i) Low data vote (ii) Limited to specific frequencies.
Coprar before a Co	11). Limited to specific trequencies.
All Marian Control Control	
	Conclusion: By penforming the following practical we got indepth Information about Wifi, BT, Zig Box & Loka.
	Information about Wife, ST, Zig Bee & LoRa.
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	NY.

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