Code	Senario	IoT technology	Application Area	Author	Publisher	Publishing Year	source type	book title
1	vehicular temperature monitoring	tempreture sensor	Mobility	Alves, M. P.	ACM	2017	conference paper	Proceedings of the Symposium on applied computing
2	Elderly monitoring system	light sensor	Smart Home	Alves, M. P.	ACM	2017	conference paper	Proceedings of the Symposium on applied computing
3	Car Manufacturing line	censor	industry	Khaleel, H.	IEEE	2017	journal	IEEE Systems Journal
4	Bed Alarm workflow	bed sensor	Smart Home	Rusu, L.	Agora University	2015	journal	International Journal of Computers, Communications and Control
5	production logistics and supply chain system	RFID tag	industry	Tu, M.	Emerald Publishing Limited	2018	journal	Industrial Management & Data Systems
6	Consistency of Condition Checks	RFID tag	Security	Dahl, O. M.	Emerald Publishing Limited	2006	journal	Industrial Management & Data Systems
7	Race Condition Attack	RFID tag	Security	Dahl, O. M.	Emerald Publishing Limited	2006	journal	Industrial Management & Data Systems
8	C4ISR systems	sensor	Defense	Lamas,P.F	MDPI AG	2016	journal	Sensors
9	Fire-Control Systems	sensor	Defense	Lamas,P.F	MDPI AG	2016	journal	Sensors
10	Fleet Monitoring and Management	sensor	logistics	Lamas,P.F	MDPI AG	2016	journal	Sensors
11	Individual Supplies	sensor	logistics	Lamas,P.F	MDPI AG	2016	journal	Sensors
12	Smart Cities Operations	sensor	public services	Lamas,P.F	MDPI AG	2016	journal	Sensors
13	. Personal Sensing, Soldier Healthcare and Workforce Training	sensor	Defense	Lamas,P.F	MDPI AG	2016	journal	Sensors
14	Collaborative and Crowd Sensing	sensor	Defense	Lamas,P.F	MDPI AG	2016	journal	Sensors
15	Energy Management	sensor	public services	Lamas,P.F	MDPI AG	2016	journal	Sensors
16	Surveillance	sensor	public services	Lamas,P.F	MDPI AG	2016	journal	Sensors
17	forest-protection	tempreture sensor	environment	Cheng,Y.Y	NLM (Medline)	2018	journal	Sensors
18	forest-protection	tempreture sensor	environment	Cheng,Y.Y	NLM (Medline)	2018	journal	Sensors
19	Empowerment of Patients with Hypertension	smart sensor	health	Fernández, D.R	MDPI AG	2017	journal	Sensors
20	smart factory environment	sensor	industry	Hwang,G.	Taylor & Francis	2017	journal	International Journal of Production Research
21	Ambient Assisted Living (AAL) system	smart phone	health	Dar,K.	Elsevier B.V.	2015	journal	Pervasive and Mobile Computing
22	IoT and Wearable Technologies into Task-Based Language Learning for Young Children	wareble devices	education	de la Guıa,E.	IEEE	2016	journal	IEEE Transactions on Learning Technologies
23	Wearable IoT data stream traceability in a distributed health information system	wareble devices	health	Lomotey ,R.K.	Elsevier B.V.	2017	journal	Pervasive and Mobile Computing
24	An oil leak leads to an explosion	sensor	industry	Chen,C.N.	Elsevier B.V.	2018	journal	Process Safety and Environmental Protection
25	weather forecasting	sensor	environment	Markus,A.	MDPI AG	2017	journal	Future Internet
26	smart home	smart phone	Smart Home	Brambilla,M.	Springer	2017	journal	Journal of Internet Services and Applications
27	IoT device temperature sensor monitors the perishable good orchid in a store	tempreture sensor	retail	Meyer,S.	Elsevier B.V.	2013	journal	Advanced Information Systems Engineering
28	information system in a hospital	sensor	health	Cheng,B.	IEEE	2017	journal	IEEE/ACM Transactions on Networking (TON)
29	smart factory environment	sensor	industry	Hwang,G.	Taylor & Francis	2017	journal	International Journal of Production Research
30	smart milk pakaging box	smart actuator	retail	Chang,C.	ACM	2016	journal	ACM Computing Surveys (CSUR)
31	an execution system for self-healing workflows	actuator	smart home	Seiger,R.	Springer	2018	journal	Software & Systems Modeling
32	Ambient Assisted Living scenarios	sensor	smart home	Huber,S.	IEEE	2016	journal	2016 IEEE Tenth International Conference on Semantic Computing (ICSC)
33	perishable goods transportation	humidity sensor	logistics	Domingos,D.	Absent	2014	journal	Journal of Universal Computer Science
34	Vertical Integration and Service Orchestration for Modular Production Systems	RFID tag	industry	Wrede, S.	Elsevier	2016	journal	Procedia Technology
35	A Smart Grid IT Infrastructure	sensor	energy	de Kinderen,S.	Springer	2017	conferznce paper	IFIP Working Conference on The Practice of Enterprise Modeling
36	Substation Automation	substation pc	energy	de Kinderen,S.	Springer	2017	conferznce paper	IFIP Working Conference on The Practice of Enterprise Modeling
37	Clinical Genomics	card	health	Eleftheriou,I.	Springer	2017	conferznce paper	IFIP Working Conference on The Practice of Enterprise Modeling
38	Ambient Assisted Living (AAL) system	smart phone	health	Hu,J.	Emerald Publishing Limited	2017	conferznce paper	IFIP Working Conference on The Practice of Enterprise Modeling
39	TECO Electric and Machinery	RFID tag	logistics	Tu,M.	IEEE	2018	journal	Industrial Management & Data Systems
40	Ambulance drone	health sensors	public services	Graja,I.	Elsevier	2016	conference paper	2016 IEEE 25th International Conference on Enabling Technologies: Infrastructure for Collaborative Enterprises (WETICE)
41	transportation process to assure the quality of the goods within a truck container	tempreture sensor	logistics	Ferreiraa,P.C.	Springer	2014	journal	Procedia Technology
42	shipping system	phone	logistics	Baresi,L.	Springer	2016	conference paper	International Conference on Business Process Management
43	Personal Healthcare Smart Gateways	health sensors	health	Santos,D.F.S.	Springer	2016	journal	Journal of Medical Systems
44	Smart Lighting scenario	light sensor	smart home	Seiger,R.	Elsevier	2017	journal	Software & Systems Modeling
45	human-aware production systems	smart phone	industry	Neubauer,M.	Taylor & Francis	2017	journal	International Journal of Production Research
46	the execution and tracking of dynamic production processes	location censor	industry	Neubauer,M.	Taylor & Francis	2017	journal	International Journal of Production Research
47	automatic irrigation control	rainfall sensor	agriculture	Francisco,M.	Elsevier	2017	journal	Modelling IoT behaviour within BPMN Business Processes
48	the Ladybug runtime system	sensor	agricultural	Nguyen,T.D.	Taylor & Francis	2017	journal	Journal of Information and Telecommunication
49	Human-aware Production Processes	sensor	agricultural	Neubauer	Elsevier	2015	journal	IFAC-PapersOnLine
50	makeSense:the aforementioned office ventilation	sensor	enviroment	Mottola,L.	IEEE	2017	journal	IEEE Transactions on Software Engineering
51	camera-based surveillance system	camera	public servise	Petrasch,R.	Absent	2015	conference paper	2nd Manag. Innov. Technol. Int. Conf. Towar
52	paper is glued to corrugated paper that depicts the basis for cardboard boxes	sensor	industry	Schönig,S.	Springer	2018	conference paper	International Conference on Advanced Information Systems Engineering
53	warehouse process	sensor	logistics	Schönig,S.	Springer	2018	conference paper	International Conference on Advanced Information Systems Engineering
54	operational scenario of a seaport	sensor	logistics	Schönig,S.	ACM	2018	conference paper	ACM International Conference Proceeding Series
55	Transport monitoring with Smart Load Carriers	sensor	logistics	Schönig,S.	Springer	2018	white paper	Enterprise, Business-Process and Information Systems Modeling
56	Adapt paper warp and Initiate machine cool down	sensor	industry	Schönig,S.	Absent	2018	conference paper	Enterprise, Business-Process and Information Systems Modeling
57	automatic curtain	sensor	smart home	Cheng,Y.Y.	Absent	2017	conference paper	MODELS (Satellite Events)
58	home automation	sensor	smart home	Park,N.	IEEE	2015	conference paper	2015 IEEE 5th International Conference on Consumer Electronics - Berlin (ICCE-Berlin)
59	Business Analytics model for Tourism Destinations	navigator	tourism	Babu,S.r.	Global Strategic Management Inc	2016	journal	Journal of Information Technology and Economic Development}
60	hospital	sensor	health	Maamar,Z.	Springer	2018	conferznce paper	International Conference on Business Process Management
61	Inland Transportation Container	sensor	logistics	Brouns,N.	Absent	2018	journal	Computer Science
62	"Get Coffee"	sensor	retail	Friedow,C.	Springer	2018	conference paper	International Conference on Advanced Information Systems Engineering
63	"Smart Door Lock"	light sensor	smart home	Kiik,A.	Absent	2018	master thesis	
64	bus schedual application	GPS	mobility	Huang,S.	IEEE	2019	journal	IEEE Transactions on Systems, Man, and Cybernetics: Systems
65	train monitoring system	sensor	mobility	Tata,S.	Springer	2017	conference paper	OTM Confederated International Conferences" On the Move to Meaningful Internet Systems"
66	Workspace Temperature Management	tempreture sensor	industry	Engels,G.	IEEE	2018	journal	Proceedings - IEEE International Enterprise Distributed Object Computing Workshop, EDOC
67	Human Performer Workload Management	robot	industry	Engels,G.	IEEE	2018	journal	Proceedings - IEEE International Enterprise Distributed Object Computing Workshop, EDOC
68	temperature controlling	tempreture sensor	smart home	Chiu,H.H.	IEEE	2015	conference paper	015 IEEE International Conference on Computer and Information Technology; Ubiquitous Computing and Communications; Dependabl
69	smart factory environment	sensor	industry	Hwang,G.	Taylor & Francis	2017	journal	International Journal of Production Research
70	smart system estimating the quality of an expensive form of Chinese orchids	sensor	retail	Meyer,S.	ACM	2011	conference paper	Proceedings of the Second International Workshop on web of things
71	. Dynamic pricing process with the two IoT Devices temperature sensor and ESL	sensor	retail	Meyer,S.	Springer	2013	conference paper	International conference on advanced information systems engineering
72	Convention Center HVAC Management	sensor	smart room	Tranquillini,S.	Springer	2015	conference paper	International conference on advanced information systems engineering
73	smart heating system	sensor	smart home	Patel,P.	ACM	2011	conference paper	Proceedings of the 8th Middleware Doctoral Symposium
74	smart workshop	sensor	industry	Fortino,F.	IEEE	2017	conference paper	2017 13th IEEE Conference on Automation Science and Engineering (CASE)
75	goods recipt point	electrical label	retail	Meyer,S.	IEEE	2011	conference paper	2011 IEEE Eighth International Conference on Mobile Ad-Hoc and Sensor Systems
76	Monitor towel process	RFID tag	health	Ho,E.	Springer	2013	conference paper	Enabling Things to Talk
77	security process	light sensor	smart home	Thomas,I.	Elsevier	2018	journal	Internet of Things

#	Name	Device	Domain	Author	Publisher	Year	Type	Venue
78	smart bridge	sensor	smart city	Savaglio,C.	Absent	2017	doctoral thesis	
79	smart space	sensor	agriculturay	Kiljander,J.	IEEE	2014	journal	IEEE access
80	car-manufacturing scenario	sensor	industry	Conzon D.	IEEE	2015	conference paper	2015 18th International Conference on Intelligence in Next Generation Networks
81	context–aware energy saving	sensor	energy	Kamienski,C.	Elsevier	2017	journal	Computer Communications
82	application level mixed–criticality resource management	sensor	energy	Kamienski,C.	Elsevier	2017	journal	Computer Communications
83	energy consumption monitoring in the Amazonas theatre	sensor	energy	Kamienski,C.	Elsevier	2017	journal	Computer Communications
84	device–level mixed–criticality - power outage in a university campus	sensor	energy	Kamienski,C.	Elsevier	2017	journal	Computer Communications
85	EBBITS PLATFORM	sensor	industry	haleel,H.	IEEE	2017	journal	IEEE Systems Journal
86	The myLiqueur production system	sensor	industry	Thramboulidis,K.	Elsevier	2016	journal	Computers in Industry
87	industrial employee performance appraisal system	sensor	industry	Kaur,J.	Absent	2017	journal	Computers, Materials and Continua
88	the smart factory system	sensor	industry	Yoon,S.C.	Springer	2016	journal	Journal of Intelligent Manufacturing
89	fire detection system	smoker detector	smart home	Patel,P.	Elsevier	2015	journal	Journal of Systems and Software
90	AAL	sensor	smart home	Gámez,N.	Molecular Diversity Preservation International	2012	journal	Sensors
91	healthcare monitor system with security extensions	health devices	health	Sang,K.S.	IEEE	2015	conference paper	2015 IEEE International Conference on Computer and Information Technology; Ubiquitous Computing and Communications; Dependab
92	fire detection and fighting application	tempreture sensor	smart home	Bibani,O.	IEEE	2016	conference paper	IEEE Workshop on Local and Metropolitan Area Networks
93	TIME-BANKING	fullfiler	finance	Yousfi,A.	IEEE	2016	jouranl	IEEE Transactions on Services Computing
94	"Crowd safety" opportunistic IoT Service	sensor	smart city	Fortino,G.	Absent	2017	conference paper	WOA
95	perishable goods store syetem	sensor	retail	Thoma,M.	IEEE	2013	conference paper	2013 IFIP Wireless Days (WD)
96	smart curtain	sensor	smart home	De Meyer,T	Absent	2017	master thesis	
97	smart manufacturing process	RFID tag	industry	Alexakos,C.	IEEE	2017	conference paper	IEEE International Conference on Industrial Informatics (INDIN)
98	the "Crowd Safety" opportunistic IoT Service	sensor	smart city	oli,R.C.	Elsevier	2019	journal	Future Generation Computer Systems
99	Smart Endpoint Generation	sensor	retail	Matthias,T	IEEE	2014	conference paper	2014 IEEE Wireless Communications and Networking Conference (WCNC)
100	"Sale and delivery" by the industry	sensor	industry	Tsoutsa,P.	ACM	2017	conference paper	Proceedings of the 2017 International Conference on management engineering, software engineering and service sciences
101	the smart logistic system at Sea.Co.	sensor	logistics	Thoma,M.	Springer	2017	conference paper	European Conference on Service-Oriented and Cloud Computing
102	end-2-end cold chain supervision	smart phone	agricultry	Thoma,M.	IEEE	2013	conference paper	2013 IEEE 9th International Conference on Wireless and Mobile Computing, Networking and Communications (WiMob)
103	AAL	RFID tag	smart home	Yachir,A.	IEEE	2016	journal	IEEE Transactions on Automation Science and Engineering
104	Personalized HVAC application	sensor	smart home	Patel,P.	Absent	2016	journal	arXiv preprint arXiv:1606.02119
105	Body Area Network	sensor	public services	Venˇckauskas,A.	MDPI AG	2016	journal	Sensors
106	deliver parcels domestically/internationally.	sensor	logistics	Alodib,M.	Elsevier	2016	journal	Journal of Innovation in Digital Ecosystems
107	smart lighting system	sensor	smart home	Hussein,M.	Absent	2017	conference paper	MODELS (Satellite Events)
108	IoT-Intelligent Shipping Containers	sensor	logistics	Khan,M.	Springer	2018	conference paper	ernational Conference on Information and Software Technologies
109	Personalized HVAC application	REID tag	smart home	Chauhan,S.	Absent	2016	journal	arXiv preprint arXiv:1609.01676
110	Fire Detection Application	tempreture sensor	smart home	Chauhan,S.	Absent	2016	journal	arXiv preprint arXiv:1609.01676
111	Smart Home Monitoring Application	humidity sensor	smart home	Chauhan,S.	Absent	2016	journal	arXiv preprint arXiv:1609.01676
112	AmI systems	sensor	smart home	Asensio,E.S.	Springer	2015	journal	Software \& Systems Modeling
113	the smart home case	sensor	smart home	Asensio,E.S.	Absent	2011	doctoral thesis	
114	Nursing Home	camera	buplic service	Asensio,E.S.	Absent	2011	doctoral thesis	
115	home banking application	sensor	smart home	Costa,P.D	IEEE	2011	conference paper	2011 IEEE International Symposium on Policies for Distributed Systems and Networks
116	robot example	actuator	enviroment	Sánchez,P.	Multidisciplinary Digital Publishing Institute	2018	journal	Sensors
117	smart meeting room	sensor	smart room	Li,X.S.	Springer	2018	journal	Journal of Computer Science and Technology
118	Digital Enterprise Architecture	sensor	industry	Zimmermann,A.	IEEE	2015	conference paper	Proceedings of the 2015 IEEE 19th International Enterprise Distributed Object Computing Conference Workshops and Demonstrations,
119	smart building	actuator	smart home	Patel,P. / ACM		2014	conference paper	Proceedings of the 1st International Workshop on modern software engineering methods for industrial automation
120	smart surveillance system	RFID tag	public services	Ciccozzi,F.	IEEE	2017	journal	IEEE Software
121	The Smart Street Lights	actuator	public services	Ciccozzi,F.	Springer	2016	conference paper	International Symposium on Intelligent and Distributed Computing
122	Home automation system	camera	smart home	Brambilla,B.	Springer	2017	journal	Journal of Internet Services and Applications
123	calculate heart-rate using PPG	sensor	health	Pal,A.	Springer	2015	conference paper	Internet of Things. User-Centric IoT
124	smart vehicle	sensor	Mobility	Sosa-Reyna,C.M.	Elsevier	2018	journal	Journal of Systems Architecture
125	building automation SCC application	sensor	smart home	Lekidis,A.	Wiley Online Library	2018	journal	Software: Practice and Experience
126	Small-Scale Farm Management System	sensor	agriculture	Giray,G.	Springer	2018	conference paper	International Symposium on Business Modeling and Software Design
127	Food safety monitoring in supply chains based on IoT	sensor	logistics	Tian, F.	Vienna University of Economics and Business	2018	phd thesis	Vienna University of Economics and Business PhD Theses
128	Large-Scale Integrated Farm Management System	sensor	agriculture	Giray,G.	Springer	2018	conference paper	International Symposium on Business Modeling and Software Design
129	parcel delivery system	sensor	logistics	Caracas,A.	IEEE	2011	conference paper	2011 International Conference on Distributed Computing in Sensor Systems and Workshops (DCOSS)
130	The ventilation system	sensor	smart home	Sungur,C.T	IEEE	2013	conference paper	2013 IEEE 15th Conference on Business Informatics
131	cow tracking system	actuator	agriculty	Ruppen,A.	Springer	2013	conference paper	Workshop on Enterprise and Organizational Modeling and Simulation
132	Cargo Monitoring system	sensor	logistics	Glombitza,N.	Springer	2011	conference paper	International Conference on Ad-Hoc Networks and Wireless
133	Collaboration with 4 IoT Devices	sensor	smart home	Kim,S.D.	IEEE	2014	conference paper	2014 IEEE 12th International Conference on Dependable, Autonomic and Secure Computing
134	Alice	sensor	personal care	Mass,J.	Absent	2016	master thesis	
135	Health monitoring	sensor	smart home	Seiger,R.	Absent	2016	master thesis	
136	the ventilation scenario	sensor	smart home	Casati,R.	IEEE	2012	conference paper	2012 34th International Conference on Software Engineering (ICSE)
137	the production, storage and administration of a series of drugs for hospital use	sensor	health	Merino,M.R.	Absent	2016	master thesis	
138	retail management	sensor	retail	Suri,K.	Springer	2018	conference paper	International Conference on Services Computing
139	multimodal transport	sensor	logistics	Meroni,G.	Elsevier	2018	journal	Information Systems
140	shipment process	sensor	logistics	Meroni,G.	Springer	2017	conference paper	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)
141	shipment of dangerous goods	sensor	logistics	Meroni,G.	Springer	2018	conference paper	International Conference on Advanced Information Systems Engineering
142	Gas Turbine	smat phone	industry	Panfilenko,D.	IEEE	2016	conference paper	IEEE Symposium on Emerging Technologies and Factory Automation, ETFA
143	'Maintenance of Industrial Inspection Machines' for glass production.	sensor	industry	Beez,U.	Springer	2018	conference paper	Semantic Applications
144	Health monitoring and management using Internet-of-Things (IoT) sensing	sensor	health	Hassanalieragh, M.	IEEE	2015	conference paper	IEEE International conference on services computing
145	AAL	actuator	smart home	Reis,C	IGI Global	2016	book	Internet of Things and advanced application in healthcare
146	heart monitoring process	sensor	health	Al-Jamal,D.Y.	Absent	2017	journal	World Academy of Science, Engineering and Technology, International Journal of Computer, Electrical, Automation, Control and Inform
147	The global incident management	sensor	smart home	Ismaili-Alaoui,A.	Springer	2018	conference paper	International Conference on Web Services
148	cross-channel banking web application	camera	finance	Yigitbas,E.	Springer	2018	conference paper	International Conference on Human-Centred Software Engineering
149	Smart Glasses-based Information System	smart glasses	personal equipment	Vogel,J.	K{\"o}llen Druck+ Verlag GmbH	2018	conference paper	Workshops der INFORMATIK 2018-Architekturen, Prozesse, Sicherheit und Nachhaltigkeit
150	logistics scenario	actuator	logistics	Haller,S.	IEEE	2013	conference paper	2013 IEEE International Conference on Green Computing and Communications and IEEE Internet of Things and IEEE Cyber, Physical an
151	smart office	sensor	smart home	Fortino,G.	IEEE	2015	conference paper	015 IEEE International Conference on Systems, Man, and Cybernetics
152	building automation systems	sensor	smart home	Butzin,B.	IEEE	2014	conference paper	roceedings of the 2014 IEEE Emerging Technology and Factory Automation (ETFA)
153	smart aquaculture system	sensor	agriculture	Yang,R.	IEEE	2014	conference paper	2014 Asia-Pacific Services Computing Conference