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Criteria 1.3 : Curriculum Enrichment

1.3.3 Percentage of students undertaking project work/ field work/ internships (Data for the latest completed academic year) -2020-21
Department of Electronics & Telecommunication

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A 1-Sample List of Student Internships 2020-21



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Electronics & Telecommunication Internships 20-21				
Sr No	Student Name	Class	Company Name	Start date to end date
1	Deepesh Shahdadpuri	D14A	Accenture	15/07/2020 to 13/08/2020
2	Rohit Ambesh	D14B	CodeSpeedy technology Pvt ltd	04/09/2020 to 04/10/2020
3	Chirag Kapoor	D14B	CodeSpeedy technology Pvt ltd	24/10/2020 to 24/11/2020
4	Chirag Kapoor	D14B	Bharat Bhagya Vidhata Blog	December 2020 - Present
5	Sumit Jadhav	D9A	Bolt-IoT	15/02/2021 to 14/04/2021.
6	Aryan Gupta	D9B	Unschool outreach program (Community influencer)	3/02/2021 - 23/02/2021
7	Saachi Dudani	D14A	Brainheaters	03/06/2020-01/05/2021
8	Ganesh Gaonkar	D19C	TeleNetworks Technologies Private Limited	02/2021 to 02/2021
9	Ganesh Gaonkar	D19C	The Sparks Foundation	03/2021 to 03/2021
10	Ganesh Gaonkar	D19C	Deloitte Virtual internship	04/2021 to 04/2021
11	Varun Bhat	D14A	Verzeo	01/08/2020 - 01/10/2020
12	Varun Bhat	D14A	Forge-Goldman Sachs Virtual Internship	01/11/2020- 10/11/2020
13	Varun Bhat	D14A	Forge-Boston Consultancy Group Virtual Internship	12/01/2021-23/01/2021
14	Bhuvana Raisinghani	D14A	Applex.in	26/07/20- 26/08/20
15	Ameya Dikshit	D9B	Bolt IoT	12/04/21 - 11/06/21
16	Pradeep Thorat	D19B	E-Cell Ambassador, FMS Delhi	Feb 2021-March 2021
17	Shubham Gupta	D14B	Arbitrium	16/10/2020 TO 30/11/2020
18	Shubham Gupta	D14B	Internshala	10/092020 TO 10/11/2020
19	Akshay jain	d9b	TIMES OF INDIA	01/09/2020 to 15/10/2020
20	Kimaya Kolambe	D14A	Crazy for Success Foundation	01/02/2021-14/02/2021
21	Esa Malik	D14A	Forge-Goldman Sachs Virtual Internship	05/03/2021-05/04/2021
22	Tanya Dubey	D9B	ACCESS Intern - Times Group	08/07/2020 - 31/08/2020
23	Janhavi Bhagat	D14B	Science utsav	19/03/2021- ongoing



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24	Sarth Mitragotri	D14A	Forage-Goldman Sachs Virtual Internship	20/03/2021 - 20/04/2021
25	Aditya R Achar	D14B	The Sparks Foundation	02/2021-03/2021
26	Fiza Khan	D19B	The Sparks Foundation	02/2021-03/2021
27	Chirag Kapoor	D14B	Goldman Sachs Virtual Internship Program	03/2021 - 04/2021
28	Ambeshkumar Mishra	D14B	The Sparks Foundation	02/2021-03/2021
29	Nikhil Tekchandani	D14A	Virtually Testing Foundation	18/01/2021 - 22/03/2021
30	Bhavesh Ramchandani	D14B	Virtually Testing Foundation	18/01/2021-22/03/2021
31	Mahek Tardeja	D14A	The Sparks Foundation	04/2021-05/2021
32	Ritika Raj	D14B	Arbitrium	15/02/2021 - 02/04/2021
33	Shazia Shaikh	D14B	TeleNetworks Technologies Private Limited	15/02/2021 to 20/02/2021
34	Shazia Shaikh	D14B	Sparks Foundation	03/2021 to 04/2021
35	Kritika Pathak	D14B	The Sparks Foundation	02/2021 to 03/2021
36	Anusha Krishnan	D19B	Deloitte	06/2020 to 07/2020
37	Arnab Saha	D14B	TeleNetworks Technologies Private Limited	09/2020 to 09/2020
38	Pankaj Talreja	D14B	Virtually Testing Foundation	18/01/2021-22/03/2021
39	Yash Bhise	D9B	The Sparks Foundation	02/04/2021 to 1/04/2021
40	Yash Bhise	D9B	Nuclei Technologies	5/1/2020 to 5/02/2021
41	Chirag Jain	D9B	Nuclei Technologies	May 2020
42	Anuch Ramrakhiani	D14A	TeleNetworks Technologies Pvt. Ltd.	15/02/2021 - 20/02/2021
43	Aayush Moza	D9B	Unlock Digital	20/06/2020-23/08/2020
44	Aditi Patil	D9B	Gustovalley Technovations	21/02/2021 - 21/03/2021
45	Shardul Khot	D14A	Nuclei Technologies	11/2020
46	Mansi Kasar	D14B	Insane AI	14/09/20 - 21/10/20
47	Gaurav Jagwani	D14B	Forage KPMG Virtual Internship	01/07/2020- 16/07/2020



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48	Gaurav Jagwani	D14B	The Sparks Foundation	06/02/2021- 06/03/2021
49	Sameer Nimse	D14B	TeleNetworks Technologies Private Limited	15/02/2021 to 20/02/2021
50	Neha Nishad	D14B	Forge KPMG Virtual Internship	01/07/2020- 16/07/2020
51	Harshala Dalal	D14B	TeleNetworks Technologies Private Limited	15/02/2021 to 20/02/2021
52	Muskaan Bhargava	D14B	GAIL (INDIA) Limited	05/12/2020 to 15/01/2021
53	Neha Nishad	D14B	Muskurahat Foundation	15/09/2020-16/10/2020
54	Neha Nishad	D14B	Microsoft Virtual Intern	01/09/2020-13/09/2020
55	Abhishek Singhal	D14B	TeleNetworks Technologies Private Limited	15/02/2021 to 20/02/2021
56	Aayushi Ved	D14B	TeleNetworks Technologies Private Limited	15/02/2021 to 20/02/2021
57	Shubham J Verma	D14B	TeleNetworks Technologies Private Limited	15/02/2021 to 20/02/2021
58	Nikhil Oza	D19A	Decibels Labs Pvt Ltd	07/06/2021 to 03/07/2021
59	Aman Kadam	D14B	SCINNTC SUPPLY CHAIN SOLUTION	15/06/2021 to 12/07/2021
60	Om Bharwani	D19A	Gustovalley Technovations	21/06/2021 to 21/07/2021
61	Tanvi Soni	D14A	Nuclei Technologies	05/08/2020 to 05/09/2020
62	Mrunal Murudkar	D9A	Smart Consultant Pvt. Ltd. Co.	15/07/2020 to 31/10/2020
63	Nikita Punjabi	D14A	Decibels Labs Pvt. Ltd	07/06/2021 to 03/07/2021
64	Dhanshri Agrawal	D19B	TCR INNOVATION	12/06/2021-present
65	Dhanshri Agrawal	D19B	forage- goldman sach's	22/04/2021 to 23/04/2021
66	Dhanshri Agrawal	D19B	forage- accenture	22/04/2021 to 23/04/2021
67	Vedant Parte	D19B	Dalvik apps (DA-WEORG)	17/06/21 to 7/07/21
68	Tejas Thoke	D14A	Decibels Labs Pvt Ltd	07/06/21 to 3/07/21
69	Dhanshri Agrawal	D19B	U&I	25/11/2020 to 21/04/2021
70	Prajna Moorthy	D9A	Decibels Labs Pvt. Ltd	07/06/2021-03/07/2021
71	Tejas Thoke	D14A	Discover Technologies	12/06/2021-19/07/2021
72	Dhanshri Agrawal	D19B	U&I	01/01/2021 to 28/02/2021
73	Dhanshri Agrawal	D19B	IEEE by KJ Somaiya	21/06/2021 to 26/06/2021



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74	Mayur Shinde	D19B	The Sparks Foundation	01/05/2021 to 01/06/2021
75	Paarth Rane	D9A	IEEE by KJ Somaiya	21/06/21 to 26/06/21
76	Aditya R Achar	D19B	NPHSAT Systems Pvt. Ltd.	23/06/21 to 10/07/21
77	Aditya R Achar	D19B	IEEE KJ Somaiya	21/06/21 to 26/06/21
78	Aayushi Ved	D19B	IEEE KJ Somaiya	21/06/2021 to 26/06/2021
79	Mansi Zawar	D19B	Dalvik apps (DA-WEORG)	17/06/21 to 07/07/21
80	Abhishek Singhal	D19B	IEEE KJ Somaiya	21/06/2021 to 26/06/2021
81	Yusuf Kulkarni	D14A	Chegg India Pvt.Ltd.	5/10/2020 - Present
82	Yusuf Kulkarni	D14A	Knowledge Solutions India	2/5/2020 - 13/6/2020
83	Yusuf Kulkarni	D14A	IEEE KJ Somaiya	21/6/2021 - 26/6/2021
84	Dhaval Mahajan	D9A	Decibel Labs Pvt. Ltd	07/06/2021 - 03/07/2021
85	Pendyala Sri Mahalaks	D19A	Verzeo	1/01/2020-29/02/2020
86	Shreya Balasubramania	D14B	Knowledge Solutions India	2/5/2020 - 13/6/2020
87	Aarya Naik	D14A	Knowledge Solutions India	2/5/2020 - 13/6/2020
88	Esha Kadam	D14B	Decibels Lab Pvt Ltd	07/06/2021 - 03/07/2021
89	Prachi Patil	D19A	Cannabic	11/7/2020 - 12/7/2020
90	Prachi Patil	D19A	Infotech for Visually Impaired	7/9/2020 - 13/1/2021
91	Dishika Kishnani	D14A	Microsoft virtual internship	01/09/2020-13/09/2020
92	Dishika Kishnani	D14A	womenite	10/05/2021-16/06/2021
93	Prachi Patil	D19A	MyCaptain	1/6/2020 - 1/8/2020
94	Sristi Kushwaha	D14B	iFortis Corporate	31/05/2021 - 14/07/2021
95	Sristi Kushwaha	D19B	IEEE KJ Somaiya	21/06/2021 - 26/06/2021
96	Advait Kulhada	D9A	Decibels Lab Pvt Ltd	07/06/2021 - 03/07/2021
97	Advait Kulhada	D9A	Decibels Lab Pvt Ltd	19/07/2021-Present
98	Sahil Salian	D19B	IEEE KJ Somaiya	21/06/2021 - 26/06/2021
99	Gargi Khanvilkar	D9A	512 Army Base Workshop	21/06/2021-17/07/2021
100	Esa Malik	D19A	The Sparks Foundation	01/05/2021 - 01/06/2021
101	Gautam Govindaraju	D9A	Internshala	21/06/2020 - 02/08/2020
102	Gautam Govindaraju	D9A	NPHSAT Systems Pvt. Ltd.	23/06/2021 - 10/07/2021
103	Mohit Kukreja	D19B	Cisco Essentials virtual internship	10/03/2021-19/03/2021
104	Nikhil Tekchandani	D19A	IEEE KJSIET	21/06/2021-26/06/2021



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105	Kartik Tiwari	D19A	Forage-Goldman Sachs Virtual Internship	01/07/2021-23/07/2021
106	Dhanashree Chavan	D19B	IEEE KJSIEIT	21/06/2021-26/06/2021
107	Nikita Joshi	D19B	IEEE KJSIEIT	21/06/2021 - 26/06/2021
108	Dhairya R . Nagpal	D9B	VESIT Renaissance Cell	11/05/2020-20/06/2020
109	Aniket Ingle	D19B	IEEE KJSIEIT	21/06/2021-26/06/2021
110	Purva Saindane	D19A	IEEE KJSIEIT	21/06/2021-26/06/2021
111	Purva Saindane	D14A	Knowledge Solutions India	02/05/2020-13/06/2020
112	Sumit Jadhav	D9A	Decibels Lab	07/06/2021- 03/07/2021
113	Aryan Gupta	D14B	Decibels Lab	07/06/2021- 03/07/2021
114	Manu Siddharth	D14B	Nuclei Technologies	10/09/2019
115	Manu Siddharth	D14B	Unschool	04/05/2021
116	Bhavesh Ramchandani	D19B	IEEE KJSIEIT	21/06/2021-26/06/2021
117	Deepesh Shahdarpuri	D19A	Accenture	24/05/2021 - 30/06/2021
118	Mohit Kukreja	D19B	Forage-Deloitte Virtual intership	21/06/2021 - 23/07/2021
119	Omkar Salunkhe	D19A	IEEE KJSIEIT	21/06/2021-26/06/2021
120	MohitSingh Adhikari	D19B	IEEE KJSIEIT	21/06/2021-26/06/2021
121	Asif Khan	D19B	IEEE KJSIEIT	21/06/2021-26/06/2021
122	Pankaj Talreja	D19B	IEEE KJSIEIT	21/06/2021-26/06/2021
123	Jaanvi Bhatia	D19B	IEEE KJSIEIT	21/06/21-26/06/21
124	Alhaad Velhal	D14B	Dalvik apps (DA-WEORG)	17/06/21 to 07/07/21
125	Bhavika Methwani	D19B	IEEE KJSIEIT	21/06/21-26/06/21
126	Sameer Nimse	D19B	IEEE KJSIEIT	21/06/21-26/06/21
127	Harshala Dalal	D19B	IEEE KJSIEIT	21/06/21-26/06/21
128	Shubham Verma	D19B	IEEE KJSIEIT	21/6/21-26/6/21
129	Suraj Sahu	D19A	IEEE KJSIEIT	21/06/21-26/06/21
130	Sakshee Rode	D19B	Dalvik apps (DA-WEORG)	17/06/21 - 07/07/21
131	Omkar Kale	D19A	DISCOVER TECHNOLOGY	15/06/2021-20/07/2021
132	Saptarshi Das	D9A	INDIA Redefined	02/04/2020
133	Saptarshi Das	D9A	Coursera Project Network	24/09/2020
134	Sarth Mitragotri	D19A	DISCOVER Technologies	2/06/2021-17/07/2021
135	Swapnil Taur	D14A	Discover Technologies	05/06/2021 - 20/07/2021
136	Yogesh Sonawane	D19A	Discover Technologies	09/06/2021 - 20/07/2021



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137	Shikhar Raj	D14A	KSI(Knowledge India Solution)	05/05/20-13/06/20
138	Shikhar Raj	D14A	Muskurahat Foundation	12/11/20-13/12/20
139	Manasee Parulekar	D14A	Knowledge Solutions India	02/05/2020 - 13/06/2020
140	Manasee Parulekar	D14A	VERZEO	01/08/2020 - 01/10/2020
141	Manasee Parulekar	D14A	WABI TECH	02/12/2020 - 27/01/2021
142	Manasee Parulekar	D14a	UnI (NGO)	26/01/2021 - 28/05/2021
143	Varun Vicharay	D14A	Knowledge Solutions India	02/05/2020 - 13/06/2020
144	Varun Vicharay	D14A	VERZEO	01/08/2020 - 01/10/2020
145	Varun Vicharay	D14A	The Sparks Foundation	01/03/2021 - 01/04/2021
146	Harshita Kukreja	D14A	Gustovalley Technovations	31/05/2021 - 30/06/2021
147	Harshita Kukreja	D14A	IEEE KJSIEIT	21/06/2021 - 26/06/2021
148	Ayushi Pamnani	D14A	Gustovalley Technovations	31/05/2021 - 30/06/2021
149	Ayushi Pamnani	D14A	IEEE KJSIEIT	21/06/2021-26/06/2021
150	Omkar Bodake	D14A	Pantech Solutions	01/05/2021 - 30/05/2021
151	Omkar Bodake	D14A	The Sparks Foundation	01/05/2021 - 1/06/2021
152	Omkar Bodake	D19A	IEEE KJSIEIT	21/06/2021 - 26/06/2021
153	Omkar Bodake	D14A	N.K.Orchid College Of Engineering And Technology	08/06/2020 - 12/06/2020
154	Kumar Bajaj	D14A	N.K.Orchid College Of	08/06/2020 - 12/06/2020
155	Kumar Bajaj	D14A	The Sparks Foundation	01/04/2021- 01/05/2021
156	Kumar Bajaj	D14A	Pantech Solutions	01/05/2021 - 30/05/2021
157	Kumar Bajaj	D19A	IEEE KJSIEIT	21/06/2021 - 26/06/2021
158	Sagar Pujari	D14B	IEEE KJ Somaiya	21/06/2021 - 26/06/2021
159	Vaishnavi Shetty	D14B	Gustovalley Technovations	21/02/2021 - 21/03/2021
160	Pratham Angre	D14B	IEEE KJSIEIT	21/06/21-26/06/21
161	Sakshi Singh	D14B	Startuptime	10/01/21-28/03/21
162	Shardul Khot	D19A	Nuclei Technologies	12/15/2020 to 1/15/2021
163	Adarsh PS	D14B	NPHSAT Systems Pvt. Ltd.	23/06/2021 - 10/07/2021
164	akshay jain	D14B	DECIBELS	7/06/2021 - 03/07/2021
165	akshay jain	D9B	TIMES OF INDIA	26/07/2020- 15/09/2020
166	Aaron Arimpur	D14B	Decibels	7/06/2021 - 3/07/2021
167	Mcvean Soans	D14A	Team Everest (NGO)	23/06/2021 - 07/07/2021




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168	Janhavi Gogawale	D19B	IEEE KJSIEIT	21/60/21 - 26/06/21
169	Janhavi Gogawale	D19B	SHAPEAI	15/06/21 - 21/06/21
170	Shazia Shaikh	D19B	ECS Academy	10/06/21-10/07/21



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A 2-Sample List of Student Field Projects 2020-21



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Electronics & Telecommunication Field Projects 2020-21				
Group No.	Name of the Student	Mentor Name	Title of the Project	No. of Students
A1	Yash Aswani	Mrs Shoba K	PRODUCT TRACKING SYSTEM	4
	Chirag Bhardwaj			
	Siddhant Kasley			
	C.V Ananya			
A2	Om Bhatia	Dr C D Rawat	Detection Of Face Mask Using Image Processing and Deep Learning(4
	Chinmay Chikhalkar			
	Nikesh Suthar			
	Chirag Varma			
A3	Vaibhavsingh Rajput	Mrs Manisha C	Smart Sanitation System	4
	Mitali Jadhav			
	Devesh Sawant			
	Atharva Gupte			
A4	Yash Desai	Dr Saylee G.	Provisioning of Reliable Deployment of WSN motes	4
	Bhakti Parab			
	Akshata More (D14B)			
	Saharsh Mindewar			
A5	Vaibhav Benge	Dr Nandini A	COVID-19 Disinfection Robot Using UVC Light	4
	Tanmay Lotankar			
	Aditya Panigrahi			
	Saad Shaikh			
A6	Dipali Phatak	Mrs Monali C	CARDIAC ARRHYTHMIA DETECTION USING DEEP LEARNING	4
	Dhanashri Deokar			
	Anisha Patnaik			
	Dilip Hingorani			
A7	Meghana Athanikar	Mrs Manisha J	COVID 19 BASED AUTOMATED SCREENING SYSTEM	4
	Vaishnavi Daber			
	Tejas Doke			
	Apoorva Sudheesh			
A8	Ankita Singh	Mrs Rasika Nalk	Comparison of different encryption algorithm and proposing new	
	Siddhant Pariani			
	Namrata Satpute			



9/11/21





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	Anand Lathi		encryption algorithm	4
A9	Anish Talwelkar	Mr Shobhit K.	SMENet (An analytics driven platform to connect small businesses together)	4
	Phalguni Shendye			
	Saumya Kulkarni (D14B)			
	Pranav Bindra (D14B)			
A10	Rushabh Mehrotra	Mr. Chintan Jethva	Auto target moving object with spy BOT	4
	Atharva Ambre			
	Ashwin Selvarangan			
	Sumeet Thakur			
A11	Rajesh Koku	Ms. Jyoti Dawkhari	Sentiment Analysis on Crimes and Covid-19 on Social Application Using python/ML	4
	Neelam Chaurasiya (D14B)			
	Isha Bhonge (D14B)			
	Tanisha Bhola (D14B)			
A12	Suyash Bhor	Mr Gaurav Tawde	Skin Cancer Detection using Image Processing and Convolutional Neural Networks	4
	Muskan Chelwani			
	Snehith Sachin			
	Aditya Prabhu			
A13	Aashirwad Bedekar	Mrs. Ashwini Sawant	<u>Multimodal Imaging of Cancer Detection</u>	4
	Harshali Bhalerao			
	Sharvari Gaitonde			
	Parth Tripathi			
A14	Pradyuman Giri	Mr. Ajinkya Valanjod	Lip Reading using Deep Learning	4
	Aishwarya Poojary (D14B)			
	Prithvi Sharma			
	Samarth Shahu			
A15	Sakshi Kulkarni	Mr. Ajinkya Valanjod	Advanced Data Analytics for WSNs	
	Rujuta Kherdekar			



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	Sakshi Gawande Ritwik Parwani			4
A16	Juhi Ajwani Abhishek Badhe Jyeshtha Prabhu Atharva Narkhede	Prof. Ranjan Bala J	MALWARE DETECTION USING MACHINE LEARNING	4
A17	Deeksha Patkar Kautuki Nirgun Shreya Chauhan Avikshit Dabholkar (D14B)	Mrs. Himali Patel	Real-Time Public Transport Information System	4
A18	Shraddha shinde Kabir Lulla Kshitija Kadam (D14B) Shreya Swanne (D14B)	Ms. Neeta Chavan	Anti-Drowning System	4
A19	Gaurav Shukla Ashutosh Pandey (D14B) Harshal Pawar (D14B) Mohsin Naik (D14B)	Dr. Nadir Charniya	GPS based Bus Tracking System with the add-on feature of Social Distancing	4
A20	Shreyash Shelar Ashwini Yadav Suraj nanwani Jaskaran Singh Khalsa	Anuradha Jadiya	LIBRARY AUTOMATION AND READING CHECKER	4
A21	Rushab Banwat Ritesh Hariani	Pallavi Gangurde	Courier safety in COVID	2
B1	Sakshi Modi	Dr Nadir	Social Distancing	





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	Bhairavi Sawantdesai Abhishek Birajdar Anusha Krishnan	Charniya	and Disinfectant System for Public Areas	4
B2	Kunal Khaladkar Fiza Khan Mansi Bhosale Amarnath Jaiswar	Mrs Shoba K	BRaille TO TEXT FOR BLIND PEOPLE	4
B3	Anjali Patil Dhananjay Teli Saujanya Waikar Aniket Patil	Mrs Manisha C	Modeling of Optic Fibre based Immunosensor	4
B4	Pratik Manurkar Varad Mapuskar Mrunal Panari Rochana Desai	Dr C D Rawat	Human Gaze Controlled Keyboard	4
B5	Rashmita Bangera Madhura Karadkar Vaibhavi Choudhary Mridul Mohan	Mrs Monali C	Autonomous Ozone Disinfectant with Telemetry	4
B6	Tejas Gosavi Amar Pal Vineet Rathish Chirag Kataria	Mrs Rasika N	Design and implementation of Pseudo Random Number Generator	4
B7	Archit Badhe Rutuja Rakvi Rahul Belani Sahaj Santani	Mr Shobhit K	Lane and Over speed detection using IoT to avoid accidents	4
B8	Suruchi Singh Sonu Tejwani Arya Kasulla Yajnesh Shetty	Mr. Chintan Jethva	Social Distancing & Sanitation during COVID - 19	4



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B9	Shruti Bondre	Mrs Jyoti B	Signboard Reader	4
	Anuja Moorkundam			
	Stuti Karn			
	Aman More			
B10	Lewin Noronha	Mr A NAGANANDA	Reverse Vending Machine	4
	Prasad Naik			
	Asawari Tayade			
	Arjun Sharma			
B11	Amit Bangani	Dr. R. B. Jain	Speech Emotion Recognition using Machine Learning	4
	Akash Pandey			
	Omkar Parte			
	Raj Dadlani			
B12	Sudhanshu Thakur	Dr. R. K. Kulkarni	NEW GENERATION ELECTRONIC HOT BOX	4
	Bhakti Patil			
	Hiten Makhija			
	Pradeep Thorat			
B13	Devendra Singh Labana	Mr. Sanjay M.	Emotion Recognition for Speech using MFCC	4
	Adith Nair			
	Nikhil Punjabi			
	Samarth Sewlani			
B14	Karina Sakpal	Mrs Nusrat Ansari	BIONIC LIMB	4
	Sheetal Chavare			
	Taral Karan(D14C)			
	Ramchandra Wadkar(D14C)			
B15	Vaidehi Mane	Mrs Arti Sawant	A Video Based Fire Detection Using Deep Learning Models	4
	Akshaya Kadam (D14C)			
	Mamta Pathare (D14C)			
	Tanvi Shelar(D14C)			





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B16	Ankita mandal (D14B)	Mr. Mrugendra V.	BLIND PERSON'S ASSISTANT	4
	Aishwarya patange (D14B)			
	Chaitanya moregaonkar (D14B)			
C1	Ganesh Gaonkar	Sanjay M	Design and Performance Analysis of Rectangular and Circular Microstrip patch Antenna for GPS Applications	4
	Prathmesh Indalkar			
	Omkar Jambhale			
	Nikhil Wagh			
C2	Juveriya Khan	Dr Saylee G	Fake news detector	4
	Riddhi Sakpal			
	Dipti Ramane			
	Poonam Masaye			
C3	Srushti Ragade	Dr R K Kulkarni	Bridge Health Monitoring System	4
	Ashish Ahire			
	Swapnil Patil			
	Urmila Shinde			
C4	Labhesh Patil	Mr Gaurav T	Brain controlled wheel chair	4
	Pranay Pagare			
	Aakash Panchal			
	Harikrishnan Suresh			
C5	Vinay Bhati	Mrs Nusrat A	SMART SEGREGATOR USING IOT AND ML	
	Shubham Panchal			
	Akshata Wagh			





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	Silpa Sankaranarayanan			4
C6	Mitali Joshi	Mrs Manisha J	Shoes disinfecter	4
	Kanchan Mandal			
	Deepak Kolekar			
	Harshal Sawant			
C7	Shriya Chavan	Mrs Neeta C	Smart car system	4
	Neerav Thakur			
	Meet Sangoi			
	Mayuresh Pandit			
C8	Abhishek Desale	Mrs Himali P	IOT based SWIFT TERMINATOR SHIELD	3
	Deepak Mishra			
	Priyanka Salap			
	Siddhika Thakur			
C9	Srushti Barve	Mrs Arti S	Chat-Boat for college management system using A.I	4
	Supriya Gaikwad			
	Dinesh Nimbane			
	Sonali pawar			
C10	Sumati chavan	Mrs Ashwini S	Covid Frontline Assistant Robo	4
	Nalini darekar			
	Manali Kathale			
	Shubham raut			



(Signature)





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C11	Devendra Bhavsar	Dr Nandini A	AUTOMATIC RATION DISTRIBUTION SYSTEM BASED ON GSM	4
	Gaurav Dawre			
	Nikhil Gunjal			
	Kishor Hotkar			
C12	Izhar Ahmad	Mrs Anuradha J	VIRTUAL PCB PRINTING MACHINE	4
	Ayatullah Ansari			
	Naved Momin			
	Vivekkumar Konda			
C13	Siddhant Satam	Mr Mrugendra V	ALL TERRAIN DRONE	4
	Sai Rane			
	Sagar Khurana			
	Shubham Singh			
C16	Sakshi Yendhe	Mrs Pallavi G	IOT Based Contactless Vending Machine	3
	Samadhan Gund			
	Kajal Sharma			



(Handwritten Signature)





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A 3. Sample List of Student Mini Projects 2020-21



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Electronics & Telecommunication Mini Projects 2020-21				
Group Number	Name of the students	Name of the mentor	Title of Project	No. of Students
Group1	Mohit Sajeewan	Mr.Chintan Jethwa	Automatic room lights	4
	Nishant Pathare			
	Dhruv Wankhede			
	Divyanshu Pandey			
Group2	Kartik Mahadev Avhad	Mrs.Himali Patel	Vehicle parking counter	4
	Dhaval Unmesh Mahaja			
	Sumit Tukaram Jadhav			
	Rahul Vijay Jeswani			
Group3	Ishan Mahesh Kharat	Mr.Shobhit Khandare	Automatic Vehicle Speed Control System	4
	Rishabh Ramanugrah Ti			
	Atharva Sandeep Kulkar			
	Yashraj Nandkumar Kad			
Group4	Niraj Sanjiv Wadile	Mrs. Jyoti D	Wireless Mobile Charger	4
	Sanket Nagnath Deshm			
	Jitesh Vivek Shamdasani			
	Mobaashir Hussain Mosh			
Group5	Rahul Yogeshwar Kulkar	Mrs.Rasika Naik	Touch free soap dispensers	4
	Hrushikesh Sandeep Sata			
	Sudhanshu Deepak Thor			
	Saumya Harishankar Tiv			
Group6	Trisha Tukesh Gaur	Mr.V.Mrugendra	Automated Tap Control System	4
	Sharvani Vidyadhar Saw			
	Mevean Cavin Soans			
	Shubham Bhavesh Sanga			
Group7	Gautam Govindaraju	Mr.Ajinkya V	Noise detector	4
	Arjun Satheesh			
	Priyanshu Bhagat			
	Prajakta Gurav			
	Aayushi Mishra		Robo cleaner	4
	Anushka Milind Kulkarn			



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Group8	Sudipa Majumdar	Mr.Gaurav T		
	Devesh Ramesh			
Group9	Gargi Nandkumar Khan	Mrs.Manisha J	Portable Mobile Charger	4
	Gunjan Sureka			
	Akshata Despande			
	Shreya Dhamne			
Group10	ROHAN CHETAN BHIA	Mrs.Pallavi G	Smart Dustbin	4
	VIGNESH JAGDISH PO			
	PAARTH PRAMOD RA			
	NIRANJAN ABHIJIT VA			
Group11	Priyanka Subramaniyam	Mrs.Nusrat A	Audio Transfer using Li-fi Technology	4
	Mubashshir Shikalgar			
	Anupama Ravindran			
	Harshal Gotarne			
Group12	Kopal kotecha	Mrs.Anuradha J	ELECTRONIC DOOR LOCK	4
	Advait Kulhada			
	Saptarshi Das			
	V. Anuparvathi			
Group13	Prajna Moorthy	Mrs.Arati Sawant	Smart Lock System	4
	Mrunal murudkar			
	Vasudha Sasikumar			
	Varun Arya			
Group14	Isha Sudhir Chavan	Mrs.Neeta C	Fire alarm	4
	Neha Raji Makattil			
	Austin Prabhakar Mathe			
	Saakshi Tejpal Karkera			
Group15	Tanya Dubey	Mrs.Jyoti D	Obstacle Avoiding Robot	4
	Yash Bhise			
	Ishu Dubey			
	Vaishnavi Shetty			
	AMEYA ANAND DIKSH		Touchless Doorbell	4
	ABHISHEK SUNIL BHIA			



Sudip





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Group16	SAKSHI SINGH	Mrs.Anuradha J		
	PRATHAM YASHWANT			
Group17	Vinaya Viswanathan Nair	Mrs.Manisha J	SOLAR MOBILE CHARGER CIRCUIT	4
	Shripad Vinayak Kulkarni			
	Yukta Mohanrao Talagar			
	Girish Gopalakrishnan			
Group18	Karan Manish Gada	MR.Mrugendra V	Assistant Car Control	4
	Aditya ankush jagadale			
	Chunay milind Chaudhari			
	Paritosh vinayak borkar			
Group19	Shrutika Saket Patel	Mrs.Nusrat A	Car Parking Guard System	4
	Aditi Kishor Patil			
	Nidhi Roshan Mundhada			
	Maarroof Sajid Merchant			
Group20	Srushti Mahendra Jagtap	Mr.Chintan J	TV REMOTE JAMMER	3
	Chirag Shantilal Jain			
	Aryan Rajesh Gupta			
Group21	Mihir Anant Ranje	Mrs.Arta sawant	Water Level Detection using IC555	4
	Prasiddhi Pravin Tembulkar			
	Nafees Akhter			
	Akanksha Dilip Gawade			
Group22	Raj Vithoba Jadhav	MrsNeeta C	Clap Switch	4
	Nikhil Bharat kumar jain			
	Aaron Arimpur Varghees			
	Gargi Vinod Gaikwad			
Group23	Khan Md. Ayan	Mrs.Himali Patel	Clap Switch	4
	Krishik Suresh Rao			
	Abhinav Anil Dawale			
	Manas Mahendra Singh			
	Esha Pradeep Kadam		Modular Burglar	4



Kishore





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Group24	Manu Anil Siddharth	Mrs.Pallavi G	Alarm	
	Ameya Amol Padwad			
	Risa Ranjan Samanta			
Group25	Rohan Giri	Mr.Sanjay M	OBSTACLE SENSING BOT	4
	Adarsh			
	Sakshi gupta			
	Heeral			
Group26	Ahona Dyutiman Chatto	Mr.Gaurav T	Pressure sensitive Alarm Clock	4
	Mukul Amit Desai			
	Pritish Sandeep Bansal			
	Yash Ashok Patil			
Group27	Yogesh Shamsundar Inat	Mr.Shobhit K	Plant Irrigation sytem	4
	Akshay Mahaveer Jain			
	Bhavesh Girdhar Singh B			
	Raj Bhagwant Yeola			
Group28	Janhavi Yatin Bhutki	Mr.Ajinkya V	SOS: Sound of Stress	4
	Sagar Sunil Pujari			
	Hridesh Hari Singh Kam			
	Varijaksh Varadraj Katti			
Group29	Rushikesh Sambhaji Pale	Mrs.Ashwini S	DTMF Remote Appliance	4
	Chelsi S Prakash			
	Aayush Moza			
	Avantika Prasanna Shett			
Group30	HIMANSHU PRASAD (D9A)	Mrs.MonaliC	AUTOMATIC CAR WIPER USING RAIN SENSOR	4
	Shravan Shivanand Shan			
	SAHIL SHRIVARDHAN			
	Sanjeev Tewari (D9A)			
Group31	shweta bhabal (D9B)	Mrs.Nandini A	Metal Detector Circuit	4
	aditya singh (D9B)			
	Abhishek Ajit Bhingarde			
	Rohit Narendra dahad (D9A)			
	Prathmesh Jadhav(D9A)			5



Prathmesh





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Group32	Trupti Sonawane(D9A)	MR.Mrugendra V	Home Automation	5
	Atharv Phadale(D9A)			
	Akanksha Jadhav(D9A)			
	Arunkumar (D9B)			
Group33	Shreyas Patil (d9B)	MR.Mrugendra V	Telefarming	4
	Swapnil Shetye (D9A)			
	Omkar Sakpal (D9B)			
	Aishwarya Birambole(d9			
	Shubham Survey(D9A)			
Group34	Riddhi Joshi (D9B)	MR.Mrugendra V	Pollution Monitoring	4
	Farheen Khan(d9B)			
	Shreya Kate(D9B)			
	Mahesh Raut(D9B)			



Mrugendra Vasmatakar
Mrugendra Vasmatakar





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First year Mini Projects 20-21

Group No.	Name of Students	Mentor Name	Title of Project	No. of students
Group 1 D4A	Vandesh Sawant	Manisha Tiwary	Lifi Technology	5
	Siddhi Kadam			
	Maitreya Kadam			
	Aditi Chakraborty			
	Aryan Chaudhary			
Group 2	Abhinav Verma	Manisha Tiwary	Solar Cell	5
	Aditya Mishra			
	Pratik Upadhye			
	Atharv Gaonkar			
	Mitles Shinde			
Group 3	Varun Bangad	Manisha Tiwary	Diffraction	4
	Aditya Sharma		Grating	
	Harsh Shrivastav			
	Aditya Kushwaha			
Group 4	Tadbhav Anchan	Manisha Tiwary	Portable Mobile Charger	4
	Ashutosh Deorukhkar			
	Tejas Khedkar			
	Sujay Manchekar			
Group 5	Gaurang Kedare			5
	Sarthak Adhangale	Manisha Tiwary		



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	Mansi Pawar		Rain detector	
	Omkar Mourya			
	Ishan Jain			
Group 6	Harsh Ranjan	Manisha Tiwary		
	Pooja Narayanan			5
	Chaitali Kulkarni			
	Avantika Narvekar			
	Anushka Sunil Darure		Electronic Eye	
Group 7	Anushka Desai			
	Madhura Ghanwat	Manisha Tiwary		
	Srushti Pagar			5
	Diti Patil		Single Axis Solar Tracker	
	Vaibhav Singh			
Group 8	Atharva Joshi	Manisha Tiwary		
	Soumya Chauhan			
	Vaishnavi Amritwar		Laser Security	
	Anishka Bajpai			5
	Atharva Kale			
Group 9	Aadarsh Pandit			
	Aniket Sangle	Manisha Tiwary		
	Hrishikesh Kulkarni		Structure Of Atom	
	Aditya Naresh			5
	Yash Chavan			
Group 10	Harsh Mohile			



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	Kshitij Nag	Manisha Tiwary		
	Prathamesh Pradhan			5
	Milind Sawant			
	Pratham Shetty		Piezoelectric generator	
	Udit Koli	Manisha Tiwary		
	Varad Deshpande			5
	Aditya Rao			
	Aniket Sune		Heisenberg's uncertainty principle	
Group 11	Kuldeep Singh			
	Atharva Hedao	Manisha Tiwary		
	Vrundali Patil			5
	Dhruv Gohel			
	Priyal Singh			
Group 12	Tanmay Gupte		Automatic Night Lamp	
				58

Group 1 D4B	Aayushi Santosh Rajeshirke			
	Dsouza Alrich Xavier Paul	Dr. Jessy P. J	Brake failure Indicator	4
	Prasad Madhukar Kokate			
	Prachi Pramod Thombare			



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Group 2	AVANTIKA KRISHAN AGRAWAL	Dr. Jessy P. J	SMART DUSTBIN WITH ARDUINO	5
	SAKSHI SUNIL MANJREKAR			
	SAKSHI SANJAYKUMAR PATIL			
	SHIVANI VIJAY PRASAD			
	NIRAJ SACHIN DIVEKAR			
Group 3	Rakshak Kumar tapaswi	Dr. Jessy P. J	WATER LEVEL INDICATOR	5
	Nitesh Harishchandra bovi			
	Arul thakur			
	Harshal raut			
	Satyam k mishra			
Group 4	Rajat Sunil Mhatre	Dr. Jessy P. J	Solar Power Bank	4
	Kaustubh Vijay Pawar			
	Ratnakshi Sunil Gore			
	Abhishek Mokal			
Group 5	Manali Bhawe	Dr. Jessy P. J	Light Energy Generation(Using Wind Turbine)	4
	Radhika Damle			
	Manjiri Jadhav			
	Manpreet Kaur			



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Group 6	Bhoomi Gupta	Dr. Jessy P. J	LiFi Technology	5
	Prince Gupta			
	Pranjal Haldankar			
	Shubham Kumar			
	Shweta Mane			
Group 7	Puja Mahankuda	Dr. Jessy P. J	Automatic Night Lamp Using a Transistor	
	Niyati Deshmukh			4
	Manashree Tendulkar			
	Pradeesh Reddy			
Group 8	Hitesh Kapure	Dr. Jessy P. J	LIFI TECHNOLOGY	3
	Ayush Kotkar			
	Tushar Jain			
Group 9	Arya Hirlekar	Dr. Jessy P. J	EDDY CURRENT BRAKING	
	Aman Verma			5
	Shreyas Santosh Sarang			
	Pratham Patil			
	Prathamesh Tamse			



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Group 10	Yuvraj Harad	Dr. Jessy P. J	Laser Security System	5
	Harsh Yadav			
	Kalpesh Kolambe			
	Varun Dhakne			
	Siddhesh Gajare			
Group 11	Shantanu Nilesh Deshmukh	Dr. Jessy P. J	Eye strain alarm	5
	Aditi Navnath Bombe			
	Varun Tushar Gharat			
	Amaan Kamaluddin Hamdule			
	Pratik Pradeep Patkar			
Group 12	Yash Shivyogappa Kumbhar	Dr. Jessy P. J	LED Thermometer using LM3914 And LM35	3
	Yash Bhor			
	Vismay Kakhandki			
Group 13	Tanmayee Bochare	Dr. Jessy P. J	Replacement of Silicon in Solar Cells - Perovskite	5
	Soniya Deshmukh			
	Tejas Lagwankar			
	Atharva Petkar			
	Siddesh Shetty			



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Group 14	Sairaj watkar	Dr. Jessy P. J	PROJECTILES	
	Sheikh Shahid gull			4
	Mayank desai			
	Aditya Mishra			
				61



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B 1. Sample Internship Completion Certificates



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Inspiring and empowering
future professionals

Deepesh Shahdadpuri Accenture Discovery Program

Certificate of Completion
August 13th, 2020

Over the period of August 2020, Deepesh Shahdadpuri has completed practical task modules in:

Set Project Priorities
Assemble a plan
User Journey Redesign
Outcomes Analysis
Fix the errors

Choose your language
Prioritisation & Impact Assessment

Tom Brunskill
CEO, Co-Founder of
InsideSherpa

Enrollment Verification Code SoPxXwzSPN4oFm4H6 | User Verification Code wWshxviY9dxdcxXT | Issued by InsideSherpa



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CodeSpeedy Technology Private Limited

Berhampore, West Bengal
CIN - U72900WB2019PTC230787



Certificate of Internship

This is presented to

CHIRAG KAPOOR

for contributing source codes/projects/libraries on Coders Packet, an online platform of source code directory for projects. The contribution field is in Python. Your packets are successfully published and your author URL is: <https://coderspocket.com/contributor/ChiragKapoor612>



Saruque Ahamed Mollic
Managing director
CodeSpeedy technology pvt. ltd
DIN Number: 08380596

From 24/10/2020 to 24/11/2020 (DDMM/YYYY)



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Inspiring and empowering
future professionals

Esa Malik Engineering Virtual Program

Certificate of Completion
April 5th, 2021

Over the period of March 2021 to April 2021, Esa Malik has completed practical task modules in:

Crack leaked password database

Phil J. Venables
Global Chief
Information Security
Officer

Tom Brunskill
CEO, Co-Founder of
Forage

Enrolment Verification Code 5QgrCaZNPzb36TLQK | User Verification Code 7vjhaikXEkBvwmIAq | Issued by Forage



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Inventrom/HRD/2021/FREESUM14955
15/04/2021

INTERNSHIP COMPLETION CERTIFICATE

To Whom It May Concern

This is to certify that Sumit Jadhav, a student of Vivekanand Education Societie's Institute of Technology has successfully completed a Student Partner Internship at Inventrom Private Limited for the duration of 2 months from 15/02/2021 to 14/04/2021. During this internship, the tasks undertaken by Sumit were related to popularising the concepts of Internet of Things(IoT) and Machine Learning(ML), brand awareness and business development of the Bolt IoT and ML online video training.

We take this oppportunity to thank Sumit for his/her contribution during this internship and wish them all the best for their future.

Note for hiring companies: To verify the authenticity of this certificate, please email to hr@boltiot.com with the code - FREESUM14955

Yours sincerely,
For Inventrom Private Limited (Bolt IoT)

Joyner Fernandes
Human Resources Manager
Inventrom Private Limited (Bolt IoT)



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we are crazy
CRAZY FOR SUCCESS FOUNDATION

TO WHOMSOEVER IT MAY CONCERN

14-02-2021

Certificate no: 206373

This is to certify that Kimaya Kolambe, has successfully completed his/her online internship with CRAZY FOR SUCCESS FOUNDATION during the period 01-02-2021 to 14-02-2021.

During the period, he/she handled the position of HR-Talent Acquisition for the organization.

During the course of internship, Kimaya Kolambe has shown great amount of responsibility, sincerity and a genuine willingness to learn and zeal to take on new assignments & challenges. In particular, his/her coordination skills and communication skills are par excellence and his/her attention to detail is impressive.

We wish him/her all the very best for the future.

With regards,

Himanshu Singh
Vice President

Crazy for Success Foundation

CRAZY FOR SUCCESS FOUNDATION

www.wearecrazy.org

info@wearecrazy.org



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Bennett, Coleman & Co. Ltd
2, Bahadurshah Zafar Marg, New Delhi 110003 T: 91 11 23302000
Registered Office: The Times of India Building, D1, D.K. Road, Mumbai 400001
Corporate Identity No: U22120MH1913PLC000391

September 26, 2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Tanya Dubey** student of **Vivekanand education society's institute of technology** has successfully completed Internship from **July 08, 2020** to **August 31, 2020** with **Results and Market Development** department of "BCCL", Location Mumbai.

The details of the Project are as follows:

- Project: Project access.
- Name of the Guide: Mr. Parvez Shaikh

During the internship period She was found dedicated, self-motivated and hard working.

Wish her all success in future endeavors.

For Bennett, Coleman & Co. Ltd.

Nachiket Upadhyay
Assistant General Manager - Human Resources



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CERTIFICATE OF **APPRECIATION**

This is presented to

BHUVANA RAISINGHANI

for successfully completing her internship at applex.in as a
Graphic Designing intern.

Her contribution has added value to our organisation and we
sincerely wish her a bright future.

SOURAJIT BASU
Co founder

ANKITA DE
Co founder



applex.in



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Inspiring and empowering
future professionals

VARUN BHAT Engineering Virtual Program

Certificate of Completion
November 10th, 2020

Over the period of November 2020, VARUN BHAT has completed practical task modules in:

Crack leaked password database

Phil J. Venables
Global Chief
Information Security
Officer



Tom Brunskill
CEO, Co-Founder of
Forage

Enrollment Verification Code FR7dsgfEKGGyezaa9g | User Verification Code b562PwC35QSL0TbS | Issued by Forage



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CAMPUS AMBASSADOR PROGRAM

CERTIFICATE OF APPRECIATION

This is to certify that Mr./Ms. PRADEEP THORAT
has successfully completed the Campus Ambassador Program
and contributed to the promotion of E-Summit 2021 organized
by the Entrepreneurship Cell at Faculty of Management
Studies, Delhi

RECOGNIZED BY **E-CELL PRESIDENT**



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Inspiring and empowering
future professionals

Gaurav Jagwani Data Analytics Consulting Virtual Internship

Certificate of Completion
August 16th, 2020

Over the period of August 2020, Gaurav Jagwani has completed practical task modules in:

Data Insights
Data Insights and Presentation
Data Quality Assessment


Deborah Yates
National Managing
Partner People
Performance and
Culture


Tom Brunskill
CEO, Co-Founder of
Forage

Enrollment Verification Code i7BNASjkdaJYb5hF | User Verification Code mAph4vmawsWAw7aFQ | Issued by Forage



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CodeSpeedy Technology Private Limited

Berhampore, West Bengal
CIN - U72900WB2019PTC230787



Certificate of Internship

This is presented to

ROHIT AMBESH

for contributing source codes/projects/libraries on Coders Packet, an online platform of source code directory for projects. The contribution field is in Python. Your packets are successfully published and your author URL is: <https://coderspacket.com/contributor/rohitambesh>


Saruque Ahamed Mollic

Managing director
CodeSpeedy technology pvt. ltd
DIN Number 08380596



From 04/09/2020 to 04/10/2020 (DD/MM/YYYY)



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This is to certify that SHUBHAM GUPTA has fulfilled his roles and responsibilities with utmost dedication and hard work as a PR & RESEARCH INTERN at Arbitrium from 16/10/2020 to 30/11/2020. We appreciate his efforts and contribution.

Srishti Grover
FOUNDER

Pratham Ahuja
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Deloitte.



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GANESH GAONKAR **Technology Consulting Virtual Internship**

Certificate of Completion
April 22nd, 2021

Over the period of April 2021, GANESH GAONKAR has completed practical task modules in:

Client Discovery
Design a Business Case
Considerations For Mobilisation
Define the project approach
Conduct a market scan

Further analysis & solution presentation
Understanding Cloud Computing
Cloud Feasibility Assessment
Cloud Readiness Assessment

Danielle O'Leary
Senior Consultant
National Graduate
Talent Acquisition
Team

Tom Brunskill
CEO, Co-Founder of
Forage

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Neha Nishad Data Analytics Consulting Virtual Internship

Certificate of Completion
August 16th, 2020

Over the period of August 2020, Neha Nishad has completed practical task modules in:

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Data Insights
Data Insights and Presentation

Deborah Yates
National Managing
Partner People
Performance and
Culture

Tom Brunskill
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GAIL BHAWAN,
PLOT NO. - 73, ROAD NO - 03, SECTOR 15,
CBD DELAPUR, NAVI MUMBAI - 400 614,
MAHARASHTRA (INDIA)
फोन/PHONE : +022 27581201
फैक्स/FAX : +01 26185941
info@gail.com

GAIL/MBI/O&M/HR/TRG./2021

Date: 24/03/2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. Muskaan Bhargava, student of B.E, vivekanand Education Society, Institute Of Technology, Mumbai University, Mumbai 400074 has undergone winter training from 05/12/2020 to 15/01/2021 in BIS department at GAIL, Mumbai.

During the period, she has prepared a report on "Encroachment Report Application Development In GAIL."

Her performance & conduct was excellent during the period. I wish success for her future endeavors.

(Shiv Purusharthi)
Dy. General Manager (HR)

पंजीकृत कार्यालय
गेल भवन, 6 भिकाजी कामा प्लेस
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Yash Bhise Software Engineering Virtual Experience

Certificate of Completion
February 5th, 2021

Over the period of January 2021 to February 2021, Yash Bhise has completed practical task modules in:

Interface with a stock price data feed
Use JPMorgan Chase frameworks and tools
Display data visually for traders

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Gustovalley Technovations

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This Certifies that

ADITI KISHOR PATIL

has successfully completed Gustovalley Technovation's Online Internship on Industry 4.0 which was conducted from 21/02/2021 to 21/03/2021.

The Performance delivered during the program was Good

Date : 02-04-2021

Authorized Signatory

Certificate No. : GL102000



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INSANE AI

Prestige Shantiniketan, ITPL Main Road, Whitefield, Bangalore 560048
Email: business@insane.ai

Internship Certificate

To whomsoever it may concern

This is to certify that Mansi Kasar has successfully completed her Internship (from 14th September 2020 – 21th October 2020) at Insane AI.

During the internship, Mansi has worked on creating the low fidelity mockups and high fidelity designs of our app screens. She was also involved in designing the user interfaces that gave shape to our analytics and gamification features.

We wish Mansi all the best for her future endeavours and look forward to working with her in the future.

Warm regards,

Sourabh Agrawal
Co-Founder, Insane AI



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Scholiverse Educare Pvt. Ltd.
B-610, Unitech Business Zone,
Nirvana Country, South City 2,
Gurgaon, India - 122018

Date - 20/11/2020

TO WHOM IT MAY CONCERN

This is to certify that Shubham Gupta, a student of VESIT, was an active member of the Internshala's campus ambassador program - Internshala Student Partner (ISP) 19 during the period of September 2020 to November 2020.

At Internshala, we consider ISPs, our biggest strength when it comes to educating college students across the world about the power of internships and online trainings.

During this period, Shubham promoted Internshala and its products successfully and showed genuine sincerity and willingness to learn while taking on new assignments and challenges.

We wish Shubham good luck for all the future endeavours.

Kind regards,

Sarvesh Agrawal

Founder and CEO - Internshala

Contact at: isp-hiring@internshala.com



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for an outstanding contribution during the session (Mar 2021 - Apr 2021) of
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Pranav Dubey

PRANAV DUBEY
MANAGING DIRECTOR



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Kritika Pathak

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Pranav Dubey

PRANAV DUBEY
MANAGING DIRECTOR



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CERTIFICATE OF COMPLETION

THIS IS TO CERTIFY THAT

AAYUSH MOZA

Has undergone **BUSINESS DEVELOPMENT**
Internship with UnlockDigital
From **20th June,2020** To **23rd August,2020**
We appreciate your efforts towards the growth of our
Business

OMKAR KOKAMWAR
HUMAN RESOURCE

SANDEEP DHAR
PROJECT MANAGER

FOR VERIFICATION WRITE US ON:- contact@unlockdigital.in



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Certificate of Excellence

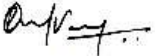
This certificate is proudly presented to

Aryan Gupta

for successfully completing the Unschool Community Program
on March 3, 2021 as a **Community Influencer** for 4 weeks,
an online internship initiative by



Unschool wishes you the best for your future endeavors.


Rahul Varma
Chief Executive Officer





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INTERNSHIP CERTIFICATION

This is to certify that

Varun Bhat

has successfully completed an Internship Program Data Science with Python
from 01-08-2020 to 01-10-2020.

During the Internship, the student was found to be
dedicated, hardworking, and diligent.

22-10-2020

DATE

UID : 1106539858



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Cybersecurity Internship - Beginner Track 10-weeks

Certificate of Completion
March 26th, 2021



Over the period of this internship from January 18, 2021 to March 22, 2021, Bhavesh worked as an intern and has completed:

- Kube academy courses
- VMware Hands-on Labs learning
- Digital and social media marketing
- Captured minutes of meetings
- Team collaboration



M. Campos
Melissa Campos,
Internship Manager

V. Monga
Victor Monga,
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Virtually Testing Foundation

California, USA



Pankaj Talreja

Cybersecurity Internship - Beginner Track 10-weeks

Certificate of Completion
March 26th, 2021



Over the period of this internship from January 18, 2021 to March 22, 2021, Pankaj worked as an intern and has completed:

Kube academy courses
VMware Hands-on Labs learning
Digital and social media marketing
Captured minutes of meetings
Team collaboration



Melissa Campos
Melissa Campos,
Internship Manager

Victor Monga
Victor Monga,
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Nikhil Manoj Tekchandani

Cybersecurity Internship - Beginner Track 10-weeks

Certificate of Completion
March 26th, 2021



Over the period of this internship from January 18, 2021 to March 22, 2021, Nikhil worked as an intern and has completed:

- Kube academy courses
- VMware Hands-on Labs learning
- Digital and social media marketing
- Captured minutes of meetings
- Team collaboration



M. Campos
Melissa Campos,
Internship Manager

V. Monga
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B 2-Sample Field Project Completion Certificates



Vivekanand Education Society's Institute of Technology

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A VIDEO BASED FIRE DETECTION USING DEEP LEARNING

Submitted in partial fulfilment of the requirements
of the Degree of
Bachelors in Engineering
By

Vaidehi Mane Class-D19B (65)
Akshaya Kadam Class-D19C (22)
Mamta Pathare Class-D19C (36)
Tanvi Shelar Class-D19C (50)

Supervisor
Mrs. Arti Sawant



Department of Electronics and Telecommunication
Vivekanand Education Society's Institute of Technology
Mumbai University

2020-2021



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Certificate

This is to certify that Vaidehi Mane, Akshaya Kadam, Mamta Pathare, Tanvi Shelar have completed the project report on the topic A Video based Fire Detection using Deep Learning, satisfactorily in partial fulfilment of the requirements for the Bachelor's Degree of Engineering in Electronics and Telecommunication under the guidance of Mrs. Arti Sawant during the year 2020-2021 as prescribed by University of Mumbai.

Guide
Mrs. Arti Sawant

Head of Department
Mrs. Shoba Krishnan

Principal
Mrs. Jayalakshmi Nair

Examiner 1

[Mrs. Arti Sawant]

Mr. Nitin Chawande
Examiner 2 [APCOE]

Online Exam
20/05/2021





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Project Approval for B.E

Project entitled by A Video based fire Detection using Deep Learning by
Vaidehi Mane, Akshaya Kadam, Mamta Pathare, Tanvi Shelar is approved for the
degree of Bachelor of Engineering.

- Examiners
1. *(Signature)*
 2. Mr. Nitin chawande
- Supervisors *online exa*
1. _____
 2. _____

Date: 20/5/2021

Place: Mumbai.





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B 3-Sample Mini Project Completion Certificates



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A Report on

Automatic Room Lights

For

Mini Project 1-a (REV- 2019 'C' Scheme) of Second Year, (SE Sem-III)

In

Electronics & Telecommunication Engineering

By

1. Mohit Sajeevan
2. Divyanshu Pandey
3. Nishant Pathare
4. Dhruv Wankhede

Under the guidance of

Mr. Chintan Jethva



UNIVERSITY OF MUMBAI
Academic Year 2020-21



Department of Electronics and Telecommunication Engineering
Vivekanand Education Society's Institute of Technology





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CERTIFICATE


This is to certify that the project entitled **Project Title** is a bonafide work of

1. Mohit Sajeevan
2. Divyanshu Pandey
3. Nishant Pathare
4. Dhruv Wankhede

submitted to the University of Mumbai in partial fulfillment of the requirement for the award of **Mini Project 1-a (REV- 2019 'C' Scheme)** of **Second Year, (SE Sem-III)** in **Electronics & Telecommunication Engineering** as laid down by **University of Mumbai** during academic year **2020-21**

Examiner/Reviewer-1

Examiner/ Reviewer -2


Mr. Chintan Jethva
Guide

Head of Department

Principal









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C 1-Sample Communications & Reports -Internships



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C 2-Sample Communications & Reports-Field Project



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A VIDEO BASED FIRE DETECTION USING DEEP LEARNING

Submitted in partial fulfilment of the requirements

of the Degree of

Bachelors in Engineering

By

Vaidehi Mane Class-D19B (65)

Akshaya Kadam Class-D19C (22)

Mamta Pathare Class-D19C (36)

Tanvi Shelar Class-D19C (50)

Supervisor

Mrs. Arti Sawant



Department of Electronics and Telecommunication

Vivekanand Education Society's Institute of Technology

Mumbai University

2020-2021



Vivekanand Education Society's Institute of Technology

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Abstract

Fire is an abnormal event which can cause significant damage to lives and property. In this paper, we propose a deep learning-based fire detection method using a video sequence, which imitates the human fire detection process. The proposed method uses the YOLO model (You look only once) to detect the suspected regions of fire and the non-fire regions. The input image is given to the resnet block in which the image is trained. Then it is given to the yolo model in the model the image is divided into cells with SXS grids, then the bounding boxes are applied on the image. Reducing the bounding boxes using the IOU (intersection over union) formula. Then labelling of the image takes place .ie if the object has fire or not. Experiments show that the proposed method can successfully improve the fire detection accuracy compared with the still image-based ,video-based method by reducing both the false detections and the misdetections.





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A VIDEO BASED FIRE DETECTION USING DEEP LEARNING

1.1 Introduction

Smoke, fire and flames are one of the leading hazards affecting everyday life around the world. According to the National Fire Protection Association (NFPA), the United States fire department responded to an estimated 1,319,500 fires during 2017, which resulted in 3,400 civilian fire fatalities, 14,670 civilian fire injuries, and an estimated \$23 billion in direct property loss. In order to reduce such disasters, fire detection without a false alarm at an early stage is crucial. Accordingly, various automatic fire detection technologies are being developed, and are widely used in real life.

In general, two broad categories of technologies can be identified: traditional fire alarm and fire detection by computer vision. Traditional fire alarm technology is based on smoke or heat sensors that require proximity for activation. These sensors need human involvement to confirm a fire in case of alarm. Furthermore, such systems require various equipment to provide information on the size, location, and burning degree of the fire. To overcome these limitations, researchers have been investigating computer vision-based methods combined with various types of supplementary sensors. This category of technologies gives larger surveillance coverage and offers the advantage of less human intervention with a faster response, as a fire can be confirmed without requiring a visit to the fire location, and provides detailed fire information such as location, size, and degree. Despite these advantages, however, some issues remain concerning the system complexity, and false detection according to diverse reasons. Therefore, researchers have invested significant effort to address these issues in terms of computer vision technology.

Early research on computer vision-based fire detection was focused on the color of a fire within the framework of a rule-based system, which is often sensitive to environmental conditions such as illumination and weather. So, further studies added supplementary features to the color of a fire, including area, surface, boundary, and motion of the suspected region, with other types of decision-making algorithms, such as Bayes classifier and multi-expert systems, in order to make a robust decision.

In general, it is not an easy task to explore the static and dynamic characteristics of diverse flame and smoke to be exploited in a vision system, as it requires a large amount of domain knowledge. In the deep learning approach however, these exploration and exploitation processes can be replaced by the training of an appropriate neural network with a sufficient amount of data in order to avoid over fitting. This approach, therefore, becomes convenient once a dataset with many flame and smoke images or video clips has been built.



2



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A VIDEO BASED FIRE DETECTION USING DEEP LEARNING

In the proposed method, the suspected region of fire (SRoF) is detected with its spatial features against non-fire objects by the YOLO model (You Look Only Once). In this the resnet block trains the image, after that the processing of image takes place in the yolo model for detecting the fire, in this paper we have used the coco dataset for detecting the fire. In coco dataset the images have been already predefined for detecting the fire in the image.



A handwritten signature in blue ink, appearing to be "Arjun", written over the department stamp.



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C 3-Sample Reports-Mini Project



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A Report on

Automatic Room Lights

For

Mini Project 1-a (REV- 2019 'C' Scheme) of Second Year, (SE Sem-III)

In

Electronics & Telecommunication Engineering

By

1. Mohit Sajeevan
2. Divyanshu Pandey
3. Nishant Pathare
4. Dhruv Wankhede

Under the guidance of

Mr. Chintan Jethva



UNIVERSITY OF MUMBAI
Academic Year 2020-21



Department of Electronics and Telecommunication Engineering
Vivekanand Education Society's Institute of Technology



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CERTIFICATE


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1. Mohit Sajeevan
2. Divyanshu Pandey
3. Nishant Pathare
4. Dhruv Wankhede

submitted to the University of Mumbai in partial fulfillment of the requirement for the award of **Mini Project 1-a (REV- 2019 'C' Scheme)** of Second Year, (SE Sem-III) in **Electronics & Telecommunication Engineering** as laid down by **University of Mumbai** during academic year **2020-21**

Examiner/Reviewer-1

Examiner/ Reviewer -2


Mr. Chintan Jethva
Guide

Head of Department

Principal









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Chapter-1 INTRODUCTION

1.1 NEED

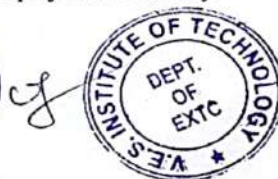
As we are further getting through the 21st Century, the usage of natural resources is exponentially increasing day by day. As a result the limited natural resources are getting depleted. Wastage of electricity is one of the main problems which we are facing nowadays. In our home, school, colleges or industry we see that fan/lights are kept on even if there is nobody in the room or area/passage. This happens due to negligence or because we forgot to turn lights off or when we are in a hurry. To avoid all such situations we have designed this project called "Automatic room lights".

1.2 DEFINITION

The Automatic Room Light circuit is a circuit that senses or detects any movement near it and switches on the light accordingly. If the user is in a certain part of the room, the particular sensor will get triggered and the light nearest to the user will be turned on. The basic principle used here is that of an IR motion detecting circuit.

1.3 Organisation of Report

- Chapter 1 : Introduction of our project and use of the project
- Chapter 2 : Literature survey of our project. In this chapter we discuss the sources and research done for our project. The research gave us a clear idea about the way to approach and complete the project.
- Chapter 3 : This chapter deals with the problem statement of the project.
- Chapter 4 : Design and working of the project is discussed in detail. With the help of circuit diagram and block diagram, working of the project is explained.
- Chapter 5 : Components and tools used to implement the project have been listed and explained
- Chapter 6 : In this chapter we discuss the steps executed for implementation of the project on breadboard.
- Chapter 7 : Troubleshooting done to complete the project successfully.
- Chapter 8 : References used



1



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PROBLEM STATEMENT

To design and implement automatic room lights that turn on and off smartly by detecting presence in that particular part of the room. The main objective is to minimise electricity wastage and contribute towards a greener future.

When we enter a room, as a habitual tendency, we often search for a switch to turn the light on, and if we are new to the room, we often find it difficult to locate the switch. Most of the time, many of us forget to switch off the lights while leaving the room in which we stay most of the time. This results in unnecessary power wastage. Therefore, an automatic room-light controller automatically turns on the lights when a person enters a room, and turns off the lights when the person leaves the room. This automatic room controller can be implemented by using a simple microcontroller and wireless IR technologies.

Through this project we tried to minimise the occurrence of any situation leading to wastage of electricity. This project combines sustainability with modernisation to give us an output that would revolutionize the way we use electricity.



Fig. 3.1

4.3. CIRCUIT DIAGRAM AND WORKING

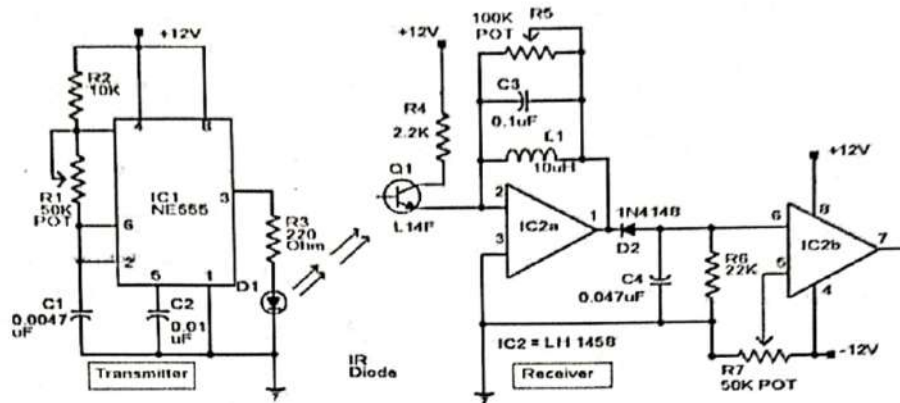


Fig. 4.2

As seen in Fig. 4.2, this is the circuit diagram of an infrared motion detector that can be used to sense intrusions. Infrared rays reflected from a static object will be in one phase, and the rays reflected from a moving object will be in another phase. The circuit uses this principle to sense the motion.

The IC1 (NE 555) is wired as an astable multivibrator. The IR diode connected at the output of this IC produces infrared beams of frequency 5Khz. These beams are picked by the infrared sensor, photo transistor Q1. At normal condition, that is, when there is no intrusion the output pin (7) of IC2 will be low. When there is an intrusion the phase of the reflected waveforms has a difference in phase and this phase difference will be picked by the IC2. Now the pin 7 of the IC 2 goes high to indicate the intrusion. An LED is connected at the output of the IC to indicate the intrusion.

In Fig. 4.1 we can see the block diagram for the circuit shown in Fig. 4.2. Here, an optocoupler is used instead of a separate LED and phototransistor(L14F). An optocoupler serves the same purpose as the combination of LED and phototransistor. Also probes have been shown in the block diagram to indicate various characteristics of particular parts of the circuit i.e voltage/current through the cross section. One can see in Fig. 4.3 that the probes



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