



# Deptt. of Electronics & Communication Engineering

Sant Longowal Institute of Engineering & Technology, Longowal

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## Student Activities

### B.E. (ECE) Student Internship in the 8th Semester

S.No.	Regd. No.	Name of student	Name & Address of Industry	Name of mentor
1.	1931521	Anish Raj	Atma Autotech Engineers Pvt.Ltd Plot – 29, sector 6,Imt Manesar,Gurugram,Haryana 122050	Sarbjeet Singh AP (ECE), SLIET, Longowal
2.	1840059	Utkarsh Yadav	Accolite Digital India Private Limited Units 705-709B, 7th Floor, Tower 1 Magnum Towers, Golf Course Extension Road, Sector 58 Gurugram – 122011	Vipul Singhal AP (ECE), SLIET, Longowal

### Student Projects under TEQIP-III

#### PG Project (2019)

S.No.	Title of project	Faculty Advisor	Students	Budget Sanctioned
1.	Development of Fractal Patch Antennas for S and C band spectrums	Prof. AP Singh	Deepshikha Priyadarshini (PG/ECE/1750060)	15,000/-

#### UG Project (2019)

S.No.	Title of project	Faculty Advisor	Students	Budget Sanctioned
1.	Guardian	Dr.Dilip Kumar	Apurva (GEC/1740622) Shubhi Sharma (GEC/1740621) Amritanjli (GEC/1740631)	43,899/-
2.	Automatic Western Loo & Wheel Chair for deferentially abled	Er. Kuldip Singh, AP (ECE) Er. Rahul Gautam AP (CSE)	Ajay Kumar (GEC/1830290) Saujanya Kalita (GEC/1830297) Adarsh Karn	Rs. 49,810/-

(GEC/1830304)

## UG Project (2018)

S.No.	Title of project	Faculty Advisors &Co-Faculty Advisors respectively	Students	Budget Sanctioned
1.	Design and Development of House-Hold Electronic Gas Detector	<b>Dr.Dilip Kumar</b> <b>Prof. Anupma Marwaha</b>	Panikar Singh (GEC/1640056) Atish Deepankar (GEC/1640062) -	40,728/-
2.	Development of Waste Monitoring System(from Smart Dustbin to Dump Yard)	<b>Dr. Surinder Singh</b> <b>Dr.Dilip Kumar</b>	Ishpreet Kaur (GEC/1640092) Km. Beena Singh (GEC/1730981) Anjali Singh (GEC/1730982) Ritika Negi (GEC/1640015)	49,720/-



**Sant Longowal  
Institute of  
Engineering  
and Technology**

**Longowal - 148106, Distt.  
Sangrur (Pb.), India  
Phone : +91-1672-  
280057**

## GENERAL INFO

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## USEFUL LINKS

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## **Groups of Major Project GEC-16**

Date: 09.01.2020

S.No	Teacher' Name	Student Name	Registration No.
1	Dr. Ayaypal Singh	Sachin Kumar	1731585
		Devraj	1731602
		Amrita Pritam	1731584
		Pushkar Anand	1731583
2	Dr. Anupama Marwaha Er. Alka Singla	Manish Kumar	1731599
		Manish kumar	1731603
		Mehraj UD Din Teli	1640157
		Ubair Ali	1640154
3	Er. Vivek Harshey	Shristi Prakash	1640055
		Uttam Kumar	1640033
		Shefali Goyanka	1640052
		Shalini Dhiman	1731605
4	Dr. Ajaypal Singh Er. Vivek Harshey	Anand	1731573
		Manmeet	1731580
		Harsimran	1731589
		Nitin Pillay	1731574
5	Dr. J.S. Ubhi	Paritosh Chhabra	1731579
		Irfan Kasmi	1731596
		Pulkit Aggarwal	1640019
		Divya Jyoti	1731575
6	Er. Kuldeep Singh	Anirudh Goel	1731561
		Akanksha Singh	1731581
		Keshav Acharya	1731567
		Shubham Kumar Jha	1640051
7	Er. Kuldeep Singh	Sadhana Shukla	1731592
		Nishu Kumari	1731594
		Priya Kumari	1731577
		Pooja Priyambada	1731606
8	Er. Sarbjeet Singh	Arun Bhaskar	1731588
		Pallavi Raj	1731593
		Anupriya Bharti	1731582
		Akanksha Kumari	1731566
9	Er. Sarbjeet Singh	Amartya Paul	1731571
		Isha Kirti	1731586
		Rohit Kumar	1731598
		Bhawna Prasher	1731576
10	Dr. Amar Pratap Singh Pharwaha	Aman Raj	1731564
		Ashif Reza	1730964
		MD. Sikander	1731015
		Prajwal	1731569
11	Er. Pankaj Kumar Das	Panikar	1640056
		Yashvendra Chauhan	1640014
		Atish Deepankar	1640062
		V.Vasudeva Reddy	1640103

12	Er. Pankaj Kumar Das	Sudhanshu Kumar	1640034
		Navjot Jyoti	1640024
		Ria Sharma	1640086
		Sumit Kumar	1731600
13	Dr. Dilip Kumar Er. Vipul Singhal	Ritika Negi	1640015
		Ishpreet	1640092
		Anjali Singh	1730982
		Beena Singh	1730981
14	Er. Vipul Singhal	Prikshit Awasthi	1731568
		Shweta Kumari	1731587
		Anshu Varma	1730983
		Jasleen Kaur	1731538
15	Er. Alka Singla	Divyanshu Ranjan	1731590
		Ravi Shankar Kumar	1731570
		Neeraj Kumar	1731597
		Jay Ram Singh Yadav	1731604
16	Dr. Dilip Kumar	Shahnawaz Ahmad	1731565
		Shekhar Kapur	1731562
		Raushan Kumar	1731591
		Sonam Kumari	1731578

(Dr. Dilip Kumar)

Project Coordinator

## Groups for Major Projects GEC-17

S.No.	Teacher's Name	Student's Name	Registration no.	
1.	Er. Kuldip Singh	Yasho Vardhan Sharma	1740607	Covid'19 Testing & Monitoring Kiosk
		Shashank Singh	1740610	
		Vibhanshu Raj	1740612	
		Sherkhan	1830389	
2.	Dr. Dilip Kumar, Er. Sarbjeet Singh	Shubham Sinha	1830289	E- Commerce Website
		Vivek Kumar	1830854	
		Anil Kumar	1830314	
		Bittu Kumar	1830305	
3.	Dr. Ajay Pal Singh, Dr. Kundan Kumar	Rashmi	1830852	Study of the CAD-based RF Sensor to Detect The Glucose Level in Blood
		Nidhi	1830851	
		Sushmita	1830853	
		Sneha Jha	1830284	
4.	Er. Vipul Singhal	Simranjeet	1740601	Automatic Plant Watering System
		Aman Singh	1740608	
		Md. Reyazuddin	1740630	
		Md. Salman	1830394	
5.	Dr. Amar Pratap Singh Pharwaha	Krishan Kant Vimal	1740617	IoT Based Smart Health Monitoring System for
		Abhishek Kumar	1740620	

		Shivansh	1740628	Covid Patient
		Sujay Kumar	1740632	
6.	Dr. J S Ubhi, Er. Kuldip	Nitish Suryan	1830308	Real time Accident Detection using GSM & GPS
		Nishar Tiwari	1830310	
		Manish Kumar	1830370	
		Mosmi Kumari	1830315	
7.	Er. Sarbjeet Singh	Manish Kumar Jha	1830299	Patients Record Management System
		Satyam Kumar	1830296	
		Ankit Kumar	1830306	
		Prakalp Sharma	1830307	
8.	Er. Alka Singla	Ajay Kumar	1830290	IoT Smart Dustbin
		Adarsh Karn	1830304	
		Harsh Raj	1830291	
		Soujanya Kalita	1830297	
9.	Dr. Anupma Marwaha, Er. Alka Singla	Atul Mohan Jha	1830293	IoT Based Speed sensing device using Doppler Radar
		Abhiraj Verma	1830295	
		Harsh Chaurasia	1830302	
		Pranjal Gupta	1830298	
10.	Dr. Kundan Kumar	Shubhi Sharma	1740621	Recognition of Indian Sign Language Using Machine Learning
		Apurva Akriti	1740622	
		Amritanjali	1740631	

		Prerna	1830300	
11.	Er. Vivek Harshey	Priya Pallavi	1830285	Advance Solar Tracker
		Madhu Kumari	1830286	
		Deepmala	1830287	
		Sharda Kumari	1830288	
12.	Dr. Surinder Singh, Er. Pankaj Kumar Das	Monika Bhandari	1830317	Optical Logic Gate Design using Kerry's Nonlinearity in Nonlinear Optical Medium
		Diksha Makkar	1830316	
		Kushla Devi	1830313	
		Manpreet kaur	1830312	
13.	Dr. Dilip Kumar, Er. Vivek Harshey	Sachin Kumar	1740633	Sign To Speech Using Gloves
		Shanky Kumar	1740619	
		Navneet Kumar	1740627	
		Krishan Baldev	1740602	
14.	Er. Pankaj Kumar Das	Utkarsha Kumari	1830281	IoT Temperature & Mask Scan Entry System
		Prity Kumari	1830282	
		Malvika Roy	1830283	
15.	Dr. Ajay Pal Singh, Er. Vipul Singhal	Vikarsh Kuamr Rao	1830294	IoT Based Health Monitoring System
		Ankit Kumar	1830303	
		Adarsh Shubham	1830301	

List of Project Groups (UG)				
Group	Guide	Name of Student	Registration Number	Project Title/Project Area
1	Er. Alka Singla	Rohit	1840063	Newsium
		Pradhyuman Joshi	1840051	
		Saharsh Kumar	1840069	
		Utkarsh Yadav	1840059	
2	Dr. Amar Pratap Singh Pharwaha	Pooja rani	1931507	Covid 19 detection device
		Richa rai	1931506	
		Shivani Jha	1931520	
		Gaurav Kumar	1931523	
3	Dr. Ajay Pal Singh	N V Raghavendra	1840074	App based quality analysis of edible grains
		Aman Jobanputra	1840065	
		Priya Kumari	1840067	
		Parminder Singh	1840064	
4	Er. Vipul Singhal	UDAY SHARMA	1931538	FACE DETECTION
		BHAVESH SINGH JADON	1930078	
		ANUJ KUMAR	1931535	
		VIKAS KUMAR	1931534	
5	Er. Sarbjeet Singh	Sameer Raj	1840070	Touchless doorbell for post covid world
		Pravin Kumar	1840072	
		Amresh Kumar	1840073	
		Anmol Kumar	1932002	
6	Er. Vivek Harshey	Nikhil Kumar Chaudhary	1931509	Automated water irrigation system
		Vimal Kumar Verma	1840062	
		Rupesh Kumar Thakur	1931515	
		Subhradip Paul	1931511	
7	Dr. Pankaj Kumar Das	Kumar Vaibhav	1932013	IoT Based Heart Monitoring System Using ECG
		Aparna Shivani	1931516	
		Prachi Vats	1932034	
		Smita Kumari	1932036	
8		GOPAL SINGH SOLANKI	1931530	



	Dr. Anupma Marwaha	PUSHKAR KR SINGH	1932028	IoT based Radar System
		SALONI RANJAN	1931518	
		DEEKSHA SHARMA	1931526	
		Manpreet Kaur	1931527	
9	Er. Kuldip Singh	Suruchi	1931510	Home Automation using IoT/ Arduino
		Vishal Anand	1931508	
		Shwetank Raman	1931502	
		Saksham Gopal Singh	1931501	
10	Dr. Surinder Singh	Sumit Kumar	1931519	IoT Based/SP DMS
		Anish Raj	1931521	
		Prachi Kumari	1931525	
		Subhash Kumar	1931528	
11	Dr. Dilip Kumar	Anshu kumar	1931504	Automatic Room Light controller with bidirectional visitor counter
		Sonu kumar	1931505	
		Kumar Saurav	1931512	
		Saumya shree	1931522	
12	Dr. Kundan Kumar	Avinash	1931513	Home Automation using Arduino & IoT
		Alok Kumar	1931503	
		Shreya Jha	1931514	
		Prachi Jha	1931517	
13	Dr. Amar Pratap Singh Pharwaha	Awanish Sharma	1932027	Automatic solar Tracker for solar Energy System
		Ayush Kumar Srivastava	1931529	
		Raushan Kumar	1932025	
		Shivom singh	1933550	
14	Dr. J S Ubhi	Priyanka	1933551	Agriculture And Automatic Irrigation System
		Shubham	1930074	
		Rahul Chaudhary	1840068	
		Akshay Kumar	1931531	
15	Dr. Kundan Kumar	Dhanesh Kumar	1840061	Self-Multiplexing Antenna
		Pankaj Kumar	1840071	
		Prashant Kumar	1840054	
		D. Venkatesh	1840066	

## Development activities (15)

### (a) Product Development

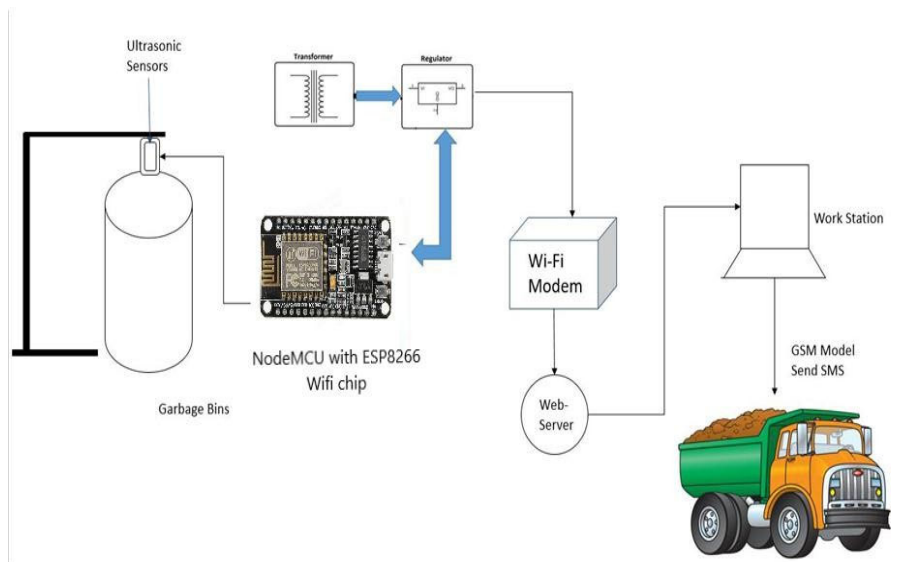
#### 1) *Household Electronics Gas Detector* developed under TEQIP-III

A module of e-Regulator which automatically detects the gas leakage and turns it off accordingly.



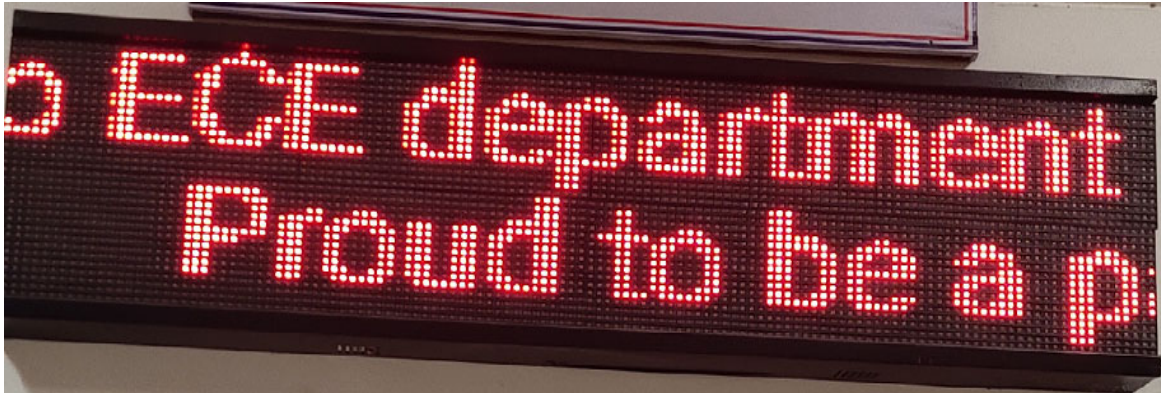
#### 2) *Smart Dustbin and Waste Monitoring System* developed under TEQIP-III

An Arduino based automated dumpyard system to monitor the status of dumpyard on real time basis



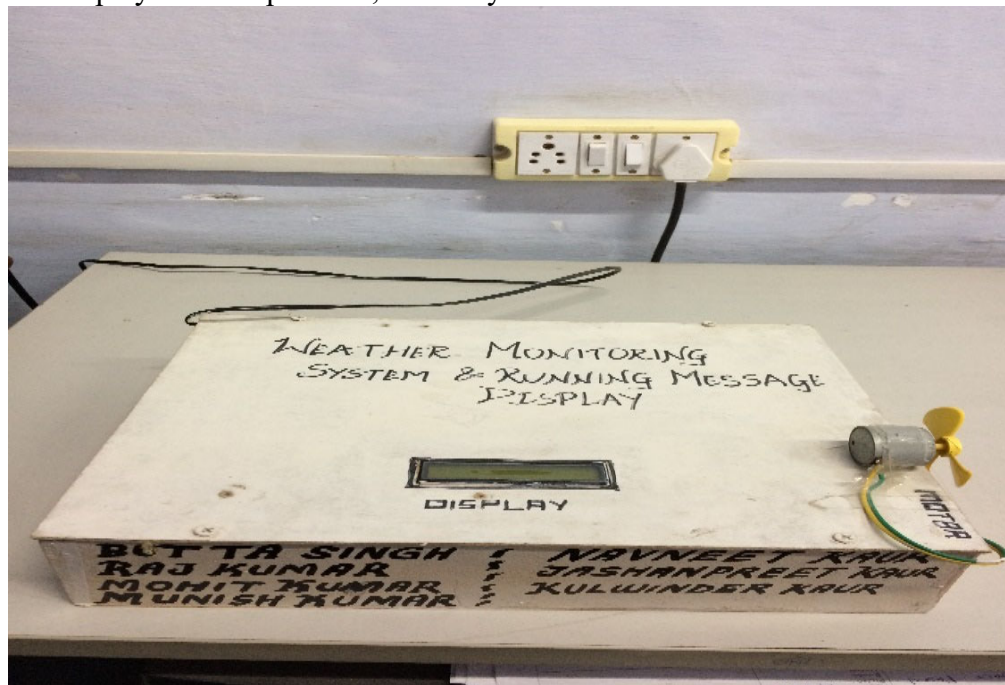
#### 3. *Wi-fi Programmable Running LEC Display*

The display is installed in ECE Department and used for displaying important messages/notices



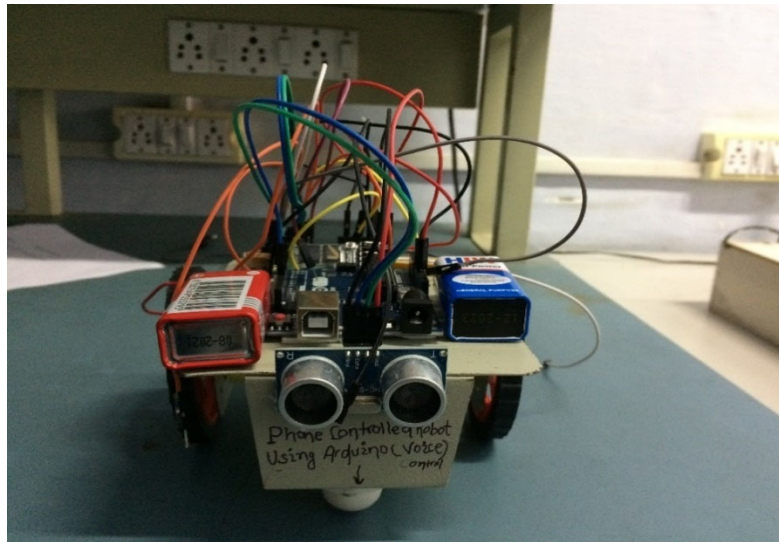
#### ***4. Weather Monitoring System & Running Message Display***

This product displays the temperature, humidity and moisture of the environment.



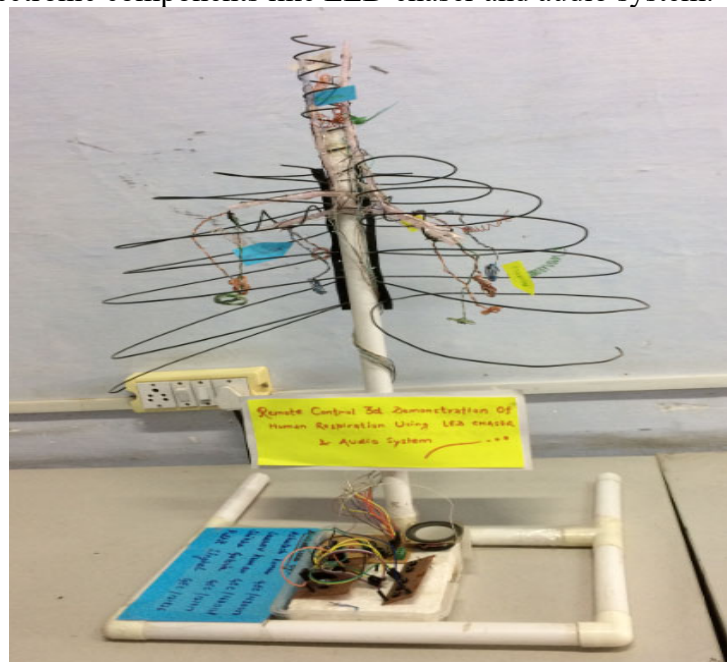
### ***5. Phase Controlled Robot using Arduino***

The movement of robot can be controlled by using mobile phone.



### ***6. Remote Control 3d Demonstration of human respiration using LED Chaser and Audio System***

This product is developed for secondary students to demonstrate the functioning of human respiration using electronic components like LED chaser and audio system.



**SANT LONGOWAL INSTITUTE OF ENGINEERING & TECHNOLOGY**

(CFTI-Deemed-to-be-University, under Ministry of Education, Govt. of India)

LONGOWAL -148106, DISTRICT SANGRUR, PUNJAB, INDIA

**DEPARTMENT OF TRAINING AND PLACEMENT****Ref. No.****SLIET/T&P/Confirm/2021/188****Date: 07/03/2022**

To

**Atma Autotech Engineers Pvt.Ltd****Plot - 29, sector 6, Imt manesar, Gurugram, Haryana 122050**

Subject: Internship Confirmation letter.

Sir/Madam

In view of the permission granted by your esteemed organization, following student will undergo semester long Internship in your esteemed organization:

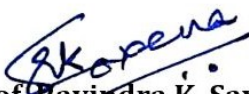
**ANISH RAJ (Reg No. 1931521)****BACHELOR OF ENGINEERING IN ELECTRONICS AND COMMUNICATION ENGINEERING.**Faculty Mentor Name: - **Sarbjeet Singh**Faculty Mentor Email ID: - **er.sarbjeet.singh@sliet.ac.in.**

This internship being an essential part of the UG curriculum, the following guidelines have been prescribed for the internship. You are therefore, requested to please issue following guidelines to the concerned official/Industry Mentor.

1. Internship schedule may be prepared and a copy of the same may be sent to the faculty mentor.
2. The name and contact details of industry mentor may please be communicated to faculty mentor.
3. The attendance record should be maintained and the same will be shared with the faculty mentor at regular intervals.
4. The faculty mentor will connect with industry mentor for Industrial visit to evaluate student performance, if possible.
5. Student is required to prepare Internship report under the supervision of industry mentor. The same will be submitted by the student to department for evaluation.
6. On completion of internship, the assessment report (as per attached rubrics) may please be forwarded to the undersigned and to faculty mentor on respective mail IDs OR through print copy in a sealed envelope.
7. Student will abide by the rules and regulation of your organization and will maintain a proper discipline with keen interest during the internship.

Your efforts in this regard will positively enhance knowledge and practical skills of the students, your cooperation will be highly appreciated, and we shall feel obliged.

With Warm Regards

  
(Prof. Ravindra K. Saxena)  
Head, Training and Placement

*"Proud to be part of Team SLIET"*Phone No.: +91 1672 253 133, 134, Email: [tnpoffice@sliet.ac.in](mailto:tnpoffice@sliet.ac.in), website: [www.tnp.sljet.ac.in](http://www.tnp.sljet.ac.in)



**SANT LONGOWAL INSTITUTE OF ENGINEERING & TECHNOLOGY**

(CFTI-Deemed-to-be-University, under Ministry of Education, Govt. of India)

LONGOWAL -148106, DISTRICT SANGRUR, PUNJAB, INDIA

**DEPARTMENT OF TRAINING AND PLACEMENT****Ref. No.****SLIET/T&P/Confirm/2021/552****Date: 10/03/2022**

To

**Accolite Digital India Private Limited****Units 705-709B, 7th Floor, Tower 1 Magnum Towers, Golf Course Extension Road, Sector 58****Gurugram - 122011**

Subject: Internship Confirmation letter.

Sir/Madam

In view of the permission granted by your esteemed organization, following student will undergo semester long Internship in your esteemed organization:


**UTKARSH YADAV (Reg No. 1840059)****BACHELOR OF ENGINEERING IN ELECTRONICS AND COMMUNICATION ENGINEERING.**Faculty Mentor Name: - **Vipul Singhal**Faculty Mentor Email ID: - **vipulsinghal10@gmail.com.**

This internship being an essential part of the UG curriculum, the following guidelines have been prescribed for the internship. You are therefore, requested to please issue following guidelines to the concerned official/Industry Mentor.

1. Internship schedule may be prepared and a copy of the same may be sent to the faculty mentor.
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4. The faculty mentor will connect with industry mentor for Industrial visit to evaluate student performance, if possible.
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7. Student will abide by the rules and regulation of your organization and will maintain a proper discipline with keen interest during the internship.

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With Warm Regards

  
(Prof. Ravindra K. Saxena)  
Head, Training and Placement

*"Proud to be part of Team SLIET"*



**Atma Autotech Engineers Private Limited**

Registered Office : Plot No. G-3/132-133,

Sector 16, Rohini, Delhi - 110085 (INDIA)

CIN : U34300DL2005PTC143391

AP427/ST/2022-23/005

Date 22-06-2022

**TO WHOM IT MAY CONCERN**

*This is to certify that Mr Anish Raj s/o Sh Upendra Singh student of 4th year **Bachelor of Engineering in Electronics & Communication Engineering** SANT Longowal Institute of Engineering & Technology Longowal Punjab, has Successfully completed Six Month Internship program with us from 10-01-2022 to 20-06-2022.*

*During the period of Internship with us he had been exposed to hands on skill training on Quality Assurance.*

*During his training period, we found him sincere ,dedicated and disciplined.*

*We wish him all the best for the future endeavors.*

Thanking You

Yours Faithfully,

For Atma Autotech Engineers pvt Ltd  
For Atma Autotech Engineers Pvt. Ltd.

Authorized Signatory  
Authorized Signatory