3.2.1 ECOSYSTEM FOR INNOVATIONS INCLUDING INCUBATION CENTRE AND OTHER INITIATIVES FOR CREATION AND TRANSFER OF KNOWLEDGE

MIC

CERTIFICATE

This is Certify that

MALLA REDDY COLLEGE OF ENGINEERING,
TELANGANA

has established Institution Innovation Council (IIC) as per the Norms of Innovation Cell, Ministry of HRD, Govt. of India

on 21st November, 2018.

Prof. Anil D. Sahasrabudhe
Chairman, AICTE

Shri. R. Subrahmanyam
Secretary, MHRD

Dr. Abhay Jere
CIO, MHRD, Innovation Cell

MIC

सत्यमेव जयते

AICTE

CERTIFICATE

This is Certify that

MALLA REDDY COLLEGE OF ENGINEERING

has established **Institution Innovation Council (IIC)** as per the Norms of Innovation Cell, Ministry of HRD, Govt. of India on 21st November, 2018.

Prof. Anil D. Sahasrabudhe
Chairman, AICTE

Shri. R. Subrahmanyam
Secretary, MHRD

Dr. Abhay Jere
CIO, MHRD, Innovation Cell

Government of India
Ministry of Human Resource Development

MHRD'S
INNOVATION CELL
(GOVERNMENT OF INDIA)

INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD Initiative)

AICTE
All India Council for Technical Education

CERTIFICATE

This is to certify that

MALLA REDDY COLLEGE OF ENGINEERING, SECUNDERABAD

has established Institution Innovation Council (IIC) as per the Norms of Innovation Cell,Ministry of HRD, Govt. of India on 21st November, 2018.

Prof.Anil D.Sahasrabudhe
Chairman, AICTE

Shri. R. Subrahmanyam
Secretary, MHRD

Dr. Abhay Jere
CIO, MHRD, Innovation Cell

Ministry of Human Resource Development
Government of India

INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD Initiative)

MIC

Certificate of Participation

A.KARTHIK REDDY

MALLA REDDY COLLEGE OF ENGINEERING

has participated in two-day Boot camp on "Business Plan & Enterprise Development" organized by Institution's Innovation Council, MHRD's Innovation Cell at New Delhi, on 9th & 10th September 2019.

Anil D. Sahasrabudhe
Chairman,
All India Council for Technical Education

Dr. Abhay Jere
Chief innovation Officer,
MHRD's Innovation Cell

Dipan Sahu
National Coordinator, IIC
MHRD's Innovation Cell

Ministry of Human Resource Development
Government of India

INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of HRD Initiative)

MIC

Certificate of Participation

SHRAVIKA TODUPUNURI

MALLA REDDY COLLEGE OF ENGINEERING

has participated in two-day Boot camp on "**Business Plan & Enterprise Development**" organized by **Institution's Innovation Council, MHRD's Innovation Cell** at New Delhi, on 9th & 10th September 2019.

Anil D. Sahasrabudhe
Chairman,
All India Council for Technical Education

Dr. Abhay Jere
Chief innovation Officer,
MHRD's Innovation Cell

Dipan Sahu
National Coordinator, IIC
MHRD's Innovation Cell

Estd : 2005

MALLA REDDY COLLEGE OF ENGINEERING

(Formerly CM Engineering College)

Approved by AICTE - New Delhi, Affiliated to JNTU, Hyderabad, Accredited by NBA & Accredited by NACC.
ISO 9001:2015 Certified Institution, Recognition of College under Section 2(f) & 12 (B) of the UGC Act, 1956.

Date: 19/01/2019

Sub:- **Smart India Hackathan 2019- Nomination**

I am pleased to nominate the below team from our college to participate in Smart India Hackthon 2019.

AICTE Application No./UGC/AISHE Code is : 1-2596861

Team: **Vain**

	Name	Gender (M/F)	Email Id	Mobile No.
Team Leader	A.Karthik Reddy	M	karthik.csgo@gmail.com	9182148877
Team Member	Shravika Todupunuri	F	shravikatodupunuri@ymail.com	9182586753
Team Member	S.Govardhan	M	govardhan9902@gmail.com	7337496734
Team Member	N.Naveen Kumar	M	ngoud092@gmail.com	9642191348
Team Member	V.Harish Kumar	M	harishvarma1712@gmail.com	9182582024
Team Member	N.Sai Ranga Reddy	M	sairangareddy22@gmail.com	8919294901

Instructions for participating Institutes:

- There is no limit on number of submissions per college. Hence, issue one Consent Letter per Team.
  Please follow the college authorization letter format given here. If the format is changed, the team is likely to get disqualified.

  ** Please remove these 2 lines in the bracked before saving and uploading the form)

Sincerely,

Dr.P.John Paul.
Principal

cmecprincipal@gmail.com,
principal@mrce.in

93481 61222, 93461 62620

Maisammaguda, Dhulapally,
(Post Via Kompally),
Secunderabad - 500 100.

www.mrce.in

Congratulations for being shortlisted as a team for Grand Finale of Smart India Hackathon 2019 (Software Edition) scheduled on 2nd and 3rd March 2019!!

2 messages

AICTE no-reply <aicte.admin@aicte-india.org> Thu, Feb 14, 2019 at 10:21 AM
To: Principal/Director/HOI <karthik.csgo@gmail.com>

Dear Team Leader,

Congratulations for being shortlisted as a team for Grand Finale of Smart India Hackathon 2019 (Software Edition) scheduled on 2nd and 3rd March 2019!!

Please visit https://www.sih.gov.in/WinnerList to know the Problem Statement and idea that you have been selected for. More importantly, you need to confirm your participation in the Smart India Hackathon 2019 (Software Edition) Grand Finale on the www.sih.gov.in web portal between 15th February 2019 to 18th February 2019. (Currently his module is under testing and will be open soon. Questions regarding the confirmation link would not be addressed before 15th February 2019).
In case no confirmation is received from your end till 18th February 2019, the wait listed teams would be given an opportunity to participate.
Please download the Smart India Hackathon 2019 mobile application from Google Play to stay connected for updates on Grand Finale

Smart India Hackathon 2019 (Software Edition) guidelines:
1. Shortlisted teams traveling for the grand finale (6 students and 2 mentors) will be eligible to receive reimbursement for to & fro journey via 2S (2nd Class Sleeper) railway fare. The reimbursement amount will be transferred to the Team Leaderâ€™s account at the Grand Finale Nodal Centers upon producing copies of train tickets and completing relevant forms. The arrangement for booking of train tickets is responsibility of teams themselves or their institutes.
2. Students should arrive at the venue one day prior (1st march 2019) and should plan return journey the day after the Smart India Hackathon 2019 (Software Edition) Grand Finale (4th march 2019). Students should avoid reaching venue on 2nd morning as it will be difficult for them to operationalize their setup in short span.
3. College faculty members traveling with teams for the grand finale are not eligible for any reimbursement of travel expenses.
4. Nodal Centres (https://www.sih.gov.in/nodalCenterList) would be making necessary arrangements for the food and accommodation in hostels of teams participating during Grand Finale
5. Each team has to carry an authorization letter from their Institution mentioning the names of team leader, team members and mentors participating in the Grand Finale on their institution letter head, duly stamped by the head of the institution during the Grand Finale.
6. The same team registered at the time of idea submission has to be present at time of Smart India Hackathon 2019 (Software Edition) Grand Finale (except in the following cases)
a. Maximum 3 team members could change at the time of Grand Finale, but their names have to be mentioned on the letter stated in point 4 above
b. No change in Team Leader would be permitted for any team
7. Students should not leave the premises until the Hackathon completes
8. Use of intoxicants is prohibited within premises during hackathon
9. Students participating in the Grand Finale should abide by the rules and regulations of organizing body for Smart India Hackathon 2019 (Software Edition)

We would soon share the Nodal Centre SPOC (Single point of contact for students) details with you.

Regards,
Smart India Hackathon 2019 Team

karthik reddy <karthik.csgo@gmail.com> Fri, Feb 15, 2019 at 9:42 AM
Draft

---------- Forwarded message ---------
From: **AICTE no-reply** <aicte.admin@aicte-india.org>

Date: Thu, Feb 14, 2019, 10:21 AM
Subject: Congratulations for being shortlisted as a team for Grand Finale of Smart India Hackathon 2019 (Software Edition) scheduled on 2nd and 3rd March 2019!!
To: Principal/Director/HOI <karthik.csgo@gmail.com>

Dear Team Leader,

Congratulations for being shortlisted as a team for Grand Finale of Smart India Hackathon 2019 (Software Edition) scheduled on 2nd and 3rd March 2019!!

Please visit https://www.sih.gov.in/WinnerList to know the Problem Statement and idea that you have been selected for. More importantly, you need to confirm your participation in the Smart India Hackathon 2019 (Software Edition) Grand Finale on the www.sih.gov.in web portal between 15th February 2019 to 18th February 2019. (Currently his module is under testing and will be open soon. Questions regarding the confirmation link would not be addressed before 15th February 2019).
In case no confirmation is received from your end till 18th February 2019, the wait listed teams would be given an opportunity to participate.
Please download the Smart India Hackathon 2019 mobile application from Google Play to stay connected for updates on Grand Finale

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5. Each team has to carry an authorization letter from their Institution mentioning the names of team leader, team members and mentors participating in the Grand Finale on their institution letter head, duly stamped by the head of the institution during the Grand Finale.
6. The same team registered at the time of idea submission has to be present at time of Smart India Hackathon 2019 (Software Edition) Grand Finale (except in the following cases)
a. Maximum 3 team members could change at the time of Grand Finale, but their names have to be mentioned on the letter stated in point 4 above
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7. Students should not leave the premises until the Hackathon completes
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9. Students participating in the Grand Finale should abide by the rules and regulations of organizing body for Smart India Hackathon 2019 (Software Edition)

We would soon share the Nodal Centre SPOC (Single point of contact for students) details with you.

Regards,
Smart India Hackathon 2019 Team

Organizers MHRD MIC

SMART INDIA HACKATHON 2019

SOFTWARE EDITION

Grand Finale
2nd and 3rd
March 2019

CERTIFICATE

Mentor

This Certificate is awarded to

Dr. T. Sunil, MRCE

of team Team Vain for participating in

'Smart India Hackathon, 2019'.

R. Subrahmanyam
Hon'ble Secretary, MHRD

Dr. Anil D. Sahasrabudhe
Chairman, AICTE
Chairman, Organizing Committee,
Smart India Hackathon 2019

Dr. Abhay Jere
CIO, MIC, MHRD
Organizing Committee,
Smart India Hackathon 2019

Dr. Anand Deshpande
Chairman and MD, Persistent Systems
Co-Chairman, Organizing Committee,
Smart India Hackathon 2019

Partners Deloitte. cisco DEVNET KPIT

Communication Partners

Organizers MHRD MIC

SOFTWARE EDITION

SMART INDIA HACKATHON 2019

Grand Finale
2nd and 3rd
March 2019

CERTIFICATE

Mentor

This Certificate is awarded to

Dr. M. Narayanan, MACE

of team Team Vain for participating in

'Smart India Hackathon, 2019'.

R. Subrahmanyam
Hon'ble Secretary, MHRD

Dr. Anil D. Sahasrabudhe
Chairman, AICTE
Chairman, Organizing Committee,
Smart India Hackathon 2019

Dr. Abhay Jere
CIO, MIC, MHRD
Organizing Committee,
Smart India Hackathon 2019

Dr. Anand Deshpande
Chairman and MD, Persistent Systems
Co-Chairman, Organizing Committee,
Smart India Hackathon 2019

Partners Deloitte. cisco DEVNET KPIT

Communication Partners

Organizers MHRD MIC

SOFTWARE EDITION

Grand Finale
2nd and 3rd
March 2019

SIH

SMART INDIA HACKATHON 2019

CERTIFICATE

PARTICIPANT CERTIFICATE

This certificate is awarded to SHRAVIKA TODUPUNURI

for participating as a member of Team TEAM VAIN in

'Smart India Hackathon 2019' at NITK Surathkal Nodal Center

during March 2-3, 2019.

R. Subrahmanyam
Hon'ble Secretary, MHRD

Dr. Anil D. Sahasrabudhe
Chairman, AICTE
Chairman, Organizing Committee,
Smart India Hackathon 2019

Dr. Abhay Jere
OIC, MIC, MHRD
Organizing Committee,
Smart India Hackathon 2019

Dr. Anand Deshpande
Chairman and MD, Persistent Systems
Co-Chairman, Organizing Committee
Smart India Hackathon 2019

Partners Deloitte. DEVNET KPIT

Communication Partners

Organizers MHRD MIC PERSISTENT

SOFTWARE EDITION

Grand Finale
2nd and 3rd
March 2019

SMART INDIA HACKATHON 2019

CERTIFICATE

PARTICIPANT CERTIFICATE

This certificate is awarded to SAI RANGA REDDY

for participating as a member of Team TEAM VAIN in

'Smart India Hackathon 2019' at NITK Surathkal Nodal Center

during March 2-3, 2019.

R. Subrahmanyam
Hon'ble Secretary, MHRD

Dr. Anil D. Sahasrabudhe
Chairman, AICTE
Chairman, Organizing Committee,
Smart India Hackathon 2019

Dr. Abhay Jere
CIO, MIC, MHRD
Organizing Committee,
Smart India Hackathon 2019

Dr. Anand Deshpande
Chairman and MD, Persistent Systems
Co-Chairman, Organizing Committee,
Smart India Hackathon 2019

ePlus

Partners Deloitte. cisco DEVNET KPIT

Communication Partners

The following students has participated and **won in "HACKATHON"** conducted as part of "QUEST 2K19"- A National level technical Symposium organized by JNTUH College of Engineering.

SOAL
School of Accelarated Learning

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
JNTUH COLLEGE OF ENGINEERING(AUTONOMOUS), HYDERABAD

HACKATHON

Certificate Of Participation

This is to certify that Mr./Ms A. Karthik Reddy *from* Malla Reddy College of Engineering *has participated in the "HACKATHON" conducted as part of "QUEST 2K19 - A National Level Technical Symposium" on 9th and 10th March, 2019, organized by the Department of Computer Science and Engineering, JNTUH College of Engineering Hyderabad in association with SOAL Technologies.*

Ms. K. Neeraja
Staff Coordinator

Dr. R. Sridevi
Head of the Department, CSE

SOAL
School of Accelerated Learning

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
JNTUH COLLEGE OF ENGINEERING(AUTONOMOUS), HYDERABAD

HACKATHON

OPEN THEME

Certificate of Excellence

This is to certify that Mr./Ms. A. KARTHIK REDDY.
from MALLAREDDY COLLEGE OF ENGINEERING. *has won the "HACKATHON" conducted as a part of "QUEST 2K19 - A National Level Technical Symposium" held on 9th and 10th March , 2019 organized by Department of Computer Science and Engineering, JNTUH College of Engineering , Hyderabad in association with SOAL Technologies.*

Mr.Prathik Agarwal
Co-Founder,Soal Technologies.

Ms. K. Neeraja
Staff Coordinator

Dr. R. Sridevi
Head of the Department, CSE

SOAL
School of Accelarated Learning

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
JNTUH COLLEGE OF ENGINEERING(AUTONOMOUS), HYDERABAD

HACKATHON

Certificate Of Participation

This is to certify that Mr./Ms Ranga Reddy *from* Malla Reddy College of Engineering *has participated in the "HACKATHON" conducted as part of "QUEST 2K19 - A National Level Technical Symposium" on 9th and 10th March, 2019, organized by the Department of Computer Science and Engineering, JNTUH College of Engineering Hyderabad in association with SOAL Technologies.*

Ms. K. Neeraja
Staff Coordinator

Dr. R. Sridevi
Head of the Department, CSE

SOAL

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
JNTUH COLLEGE OF ENGINEERING(AUTONOMOUS), HYDERABAD

HACKATHON

OPEN THEME

Certificate of Excellence

This is to certify that Mr./Ms. N. SAI RANGA REDDY
from MALLAREDDY COLLEGE OF ENGINEERING *has won the "HACKATHON" conducted as a part of "QUEST 2K19 - A National Level Technical Symposium" held on 9th and 10th March , 2019 organized by Department of Computer Science and Engineering, JNTUH College of Engineering , Hyderabad in association with SOAL Technologies.*

Mr.Prathik Agarwal
Co-Founder,Soal Technologies.

Ms. K. Neeraja
Staff Coordinator

Dr. R. Sridevi
Head of the Department, CSE

The following students has participated in “HACKATHON” organized by JNTUH College of Engineering and won **Rs. 50,000** and the prize money was awarded by Vice-Chancellor of JNTUH.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

JNTUH COLLEGE OF ENGINEERING, HYDERABAD

HACKATHON

as a part of "Quest 2k19 - A National Level Technical Symposium"

Conducted on 9th & 10th March,2019

WINNERS

"Team Vain"

A.KARTHIK REDDY

N.NAVEEN KUMAR

N.SAI RANGA REDDY

SHRAVIKA TODUPUNURI

FROM

Computer science and Engineering

Malla Reddy College of Engineering, Hyderabad

has won cash prize worth 50,000 INR.

jhub@jntuh.ac.in

JNTUH Innovation Hub (J-Hub)
Jawaharlal Nehru Technological University Hyderabad
Kukatpally, Hyderabad - 500 085, Telangana, India

Colleges Connected to HUB

S.No	Name of the College Name	SPOC Name	Designation	Email	Mobile	College Website
1	Abhinav Hitech	Sitaram Prasad	SPOC	abhinavhitec@gmail.com	9849329809	www.jhub.ac.in
2	ACE Engineering College	Dr. M.V. Vijaya Saradhi	SPOC	meduri_vsd@yahoo.co.in	9849275094	www.jhub.ac.in
3	Anurag College of Engineering	B. Raj Kumar	SPOC	brk.rajj@gmail.com	9705449268	www.jhub.ac.in
4	BVRIT HYDERABAD CEW	Dr. Anwar Bhasha Pattan	SPOC	anwarbhasha.p@bvrithyderabad.edu.in	9440215230	www.jhub.ac.in
5	CMR Engineering College	Dr. M. Laxmaiah	SPOC	laxmanmettu.cse@gmail.com	9959535832	www.jhub.ac.in
6	CVR	Vijaya Mair	SPOC	placement.cvr@gmail.com	9849877494	www.jhub.ac.in
7	CVSR	Dr. Vishnuvandana	SPOC	vishnuvandanamba@cvsr.ac.in	9246560870	www.jhub.ac.in
8	Geethanjali	Anil Kumar Puppala	SPOC	apuppala@gmail.com	9160624935	www.jhub.ac.in
9	GNITS	Dr. S. Ramacharan	SPOC	s.ramacharan@gmail.com	9440448924	www.jhub.ac.in
10	GRIET	Dr. Y. J. Nagendra Kumar	SPOC	jeevannagendra@gmail.com	9010180199	www.jhub.ac.in
11	JNTUH College of Engineering Hyderabad	Dr. K. P. Supreethi	Professor	supreethi.pujari@jntuh.ac.in	9949738588	www.jntuhceh.ac.in
12	JNTUH College of Engineering Jagitial	Dr. P. Swetha	Professor	swetha.perumalla1@gmail.com	9491339692	www.jntuhcej.ac.in
13	JNTUH College of Engineering Manthani	Dr. K. Shahu Chatrapathi	Associate Prof. &Head	shahujntu@gmail.com	9866301501	www.jntuhcem.ac.in
14	JNTUH College of Engineering Sultanpur	Dr. B.V.Ram Naresh Yadav	Assoc.Prof of CSE	bvramnaresh@gmail.com	9490685386	www.jntuhces.ac.in
15	JNTUH IST	Dr. Ch. Sasikala	SPOC	sasi449@jntuh.ac.in	9000796341	www.jhub.ac.in
16	KITS (Khammam)	Dr. G. S. Durgaprasad	SPOC	kits.kmm@gmail.com	9959005038	www.jhub.ac.in
17	Kshatriya College of Engineering	Ch. Parameshwar	SPOC	ch.parameshwar@yahoo.com	8977700250	www.jhub.ac.in
18	Malla Reddy College of Engineering	Dr. M. Narayanan	Professor	narayanan.cse@mrce.in	9363005813	www.jhub.ac.in
19	Malla Reddy Engineering College for Women	B.V.S.P. Pavan Kumar	SPOC	tpomrecw@gmail.com	9885042555	www.jhub.ac.in
20	MGIT	Sreevani	SPOC	sreevani@mgit.ac.in	8790018470	www.jhub.ac.in
21	MLR Institute of Technology, Hyderabad	Dr. Mahendra V	SPOC	mahendra.v@mlrinstitutions.ac.in	7760414507	www.jhub.ac.in

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
योगः कर्मसु कौशलम्
GATE WAY TO EXCELLENCE

J-HUB

TEQIP-3
Technical Education Quality Improvement Programme

EXCITE 2019
Summer Product Engineering Workshop

CERTIFICATE OF PARTICIPATION

This is to certify that Swapna Reddy, student of MRCE

....., participated in the EXCITE 2019 workshop held during

May 22nd - June 29th, 2019 organized by J-HUB, JNTUH and worked on the product Smart

Air Purifier along with the product development team. His/Her attendance

during the workshop was 31/57. The grade awarded to the product is Good

Dr. G.Vijaya Kumari
Director J-HUB, JNTUH

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
योगः कर्मसु कौशलम्
GATE WAY TO EXCELLENCE

J HUB

TEQIP-3
Technical Education Quality Improvement Programme

EXCITE 2019
Summer Product Engineering Workshop

CERTIFICATE OF PARTICIPATION

This is to certify that N..Naveen.Kumar....., student of.MRCE.....

....., participated in the EXCITE 2019 workshop held during May 22nd - June 29th, 2019 organized by J-HUB, JNTUH and worked on the product Smart-Air..Purifier.....along with the product development team. His/Her attendance during the workshop was....31/57..... The grade awarded to the product is ..Good.....

Dr. G.Vijaya Kumari
Director J-HUB, JNTUH

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
योगः कर्मसु कौशलम्
GATE WAY TO EXCELLENCE

J-HUB

TEQIP-3
Technical Education Quality Improvement Programme

EXCITE 2019
Summer Product Engineering Workshop

CERTIFICATE OF PARTICIPATION

This is to certify that N. Sai Ranga Reddy., student of MRCE ....., participated in the EXCITE 2019 workshop held during May 22nd - June 29th, 2019 organized by J-HUB, JNTUH and worked on the product Smart Alert .....along with the product development team. His/Her attendance during the workshop was 42/57 The grade awarded to the product is Good.

Dr. G.Vijaya Kumari
Director J-HUB, JNTUH

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
योगः कर्मसु कौशलम्
GATE WAY TO EXCELLENCE

J HUB

TEQIP-3
Technical Education Quality Improvement Programme

EXCITE 2019
Summer Product Engineering Workshop

CERTIFICATE OF PARTICIPATION

This is to certify that T...Shaarika....., student of...MRCE.....

....., participated in the EXCITE 2019 workshop held during May 22nd - June 29th, 2019 organized by J-HUB, JNTUH and worked on the product ...Smart Acrt.....along with the product development team. His/Her attendance during the workshop was....42/57.... The grade awarded to the product is ...Good.....

Dr. G.Vijaya Kumari
Director J-HUB, JNTUH

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
योगः कर्मसु कौशलम्
GATE WAY TO EXCELLENCE

J HUB

TEQIP-3
Technical Education Quality Improvement Programme

EXCITE 2019
Summer Product Engineering Workshop

CERTIFICATE OF PARTICIPATION

This is to certify that A. Karthik Reddy..., student of MRCE.....

....., participated in the EXCITE 2019 workshop held during May 22nd - June 29th, 2019 organized by J-HUB, JNTUH and worked on the product Smart Alert.....along with the product development team. His/Her attendance during the workshop was...43/57..... The grade awarded to the product is ..Good.....

Dr. G.Vijaya Kumari
Director J-HUB, JNTUH

Technical Education Quality Improvement Programme

IGNITE 2019

(THREE DAY WORKSHOP ON INNOVATION)

CERTIFICATE OF PARTICIPATION

This is to certify that MOHAMMAD AYESHA ROSHINI student of MALLA REDDY College of Engineering successfully completed the workshop on Innovation IGNITE - 2019 held during June 26th - June 28th, 2019 organized by J-HUB, JNTUH.

Dr. G.Vijaya Kumari
Director J-HUB, JNTUH

TEQIP-3

Technical Education Quality Improvement Programme

IGNITE 2019

(THREE DAY WORKSHOP ON INNOVATION)

CERTIFICATE OF PARTICIPATION

This is to certify that M-SUDHA student of MALLA REDDY College of Engineering.... successfully completed the workshop on Innovation IGNITE - 2019 held during June 26th - June 28th, 2019 organized by J-HUB, JNTUH.

Dr. G.Vijaya Kumari
Director J-HUB, JNTUH

Technical Education Quality Improvement Programme

IGNITE 2019

(THREE DAY WORKSHOP ON INNOVATION)

CERTIFICATE OF PARTICIPATION

This is to certify that ..M:Siva Sai Vardhan Reddy..... student of..Malla.....

Reddy College of Engineering..... successfully completed the workshop on Innovation

IGNITE - 2019 held during June 26th - June 28th, 2019 organized by J-HUB, JNTUH.

Dr. G.Vijaya Kumari
Director J-HUB, JNTUH

TEQIP-3
Technical Education Quality Improvement Programme

IGNITE 2019

(THREE DAY WORKSHOP ON INNOVATION)

CERTIFICATE OF PARTICIPATION

This is to certify that .....B:Harish Kumar..... student of..Malla.....

.....Reddy College of Engineering.... successfully completed the workshop on Innovation

IGNITE - 2019 held during June 26th - June 28th, 2019 organized by J-HUB, JNTUH.

Dr. G.Vijaya Kumari
Director J-HUB, JNTUH

IGNITE 2019

(THREE DAY WORKSHOP ON INNOVATION)

CERTIFICATE OF PARTICIPATION

This is to certify that ....V: Iswarya..... student of..Malla.....

...Reddy...College...of...Engineering.. successfully completed the workshop on Innovation

IGNITE - 2019 held during June 26th - June 28th, 2019 organized by J-HUB, JNTUH.

Dr. G.Vijaya Kumari
Director J-HUB, JNTUH

TEQIP-3
Technical Education Quality Improvement Programme

IGNITE 2019

(THREE DAY WORKSHOP ON INNOVATION)

CERTIFICATE OF PARTICIPATION

This is to certify that .....Krishna..... student of.....Malla.....

Reddy College of Engineering.. successfully completed the workshop on Innovation

IGNITE - 2019 held during June 26th - June 28th, 2019 organized by J-HUB, JNTUH.

Dr. G.Vijaya Kumari
Director J-HUB, JNTUH

TEQIP-3
Technical Education Quality Improvement Programme

IGNITE 2019

(THREE DAY WORKSHOP ON INNOVATION)

CERTIFICATE OF PARTICIPATION

This is to certify that R. Hema Sai Vandana student of Malla Reddy College of Engineering. successfully completed the workshop on Innovation

IGNITE - 2019 held during June 26th - June 28th, 2019 organized by J-HUB, JNTUH.

Dr. G.Vijaya Kumari
Director J-HUB, JNTUH

TEQIP-3
Technical Education Quality Improvement Programme

IGNITE 2019

(THREE DAY WORKSHOP ON INNOVATION)

CERTIFICATE OF PARTICIPATION

This is to certify that .....Ch. Sai Kumar..... student of.Malla.....

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Director J-HUB, JNTUH

Technical Education Quality Improvement Programme

IGNITE 2019

(THREE DAY WORKSHOP ON INNOVATION)

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This is to certify that Mohammad Ayesha Roshini ..... student of.....

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Technical Education Quality Improvement Programme

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Technical Education Quality Improvement Programme

IGNITE 2019

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Technical Education Quality Improvement Programme

ENLITE 2019

(BOOTCAMP ON INNOVATION &ENTREPRENEURSHIP)

CERTIFICATE OF PARTICIPATION

This is to certify that .Md....Ayesha..Roshini..... Student of..Malla...Reddy

..College...of...Engg..... Successfully completed the Bootcamp ENLITE 2019

held during June 1st - June 8th, 2019 organized by J-HUB, JNTUH.

Dr. G.Vijaya Kumari
Director J-HUB, JNTUH

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MALLA REDDY COLLEGE OF ENGINEERING

Estd. 2005

Approved by AICTE - New Delhi, Affiliated to JNTU - Hyderabad, Accredited by NBA & Accredited by NAAC.
ISO 9001:2015 Certified Institution, Recognition of College under Section 2(f) & 12 (B) of the UGC Act,1956.

24Hrs - HACKATHON at MRCE, Hyd.

Website: www.mrce.in

MRCE is organizing 24Hrs Hackathon in collaboration with Microsoft - AEP

Microsoft AEP
Authorized Education Partner

Dates: 12th 13th & 14th April 2019.

Timing :
Training - 12/04/2019 - 9:30 AM to 4:00 PM,13/4/2019 9:30 AM to 1:00 PM
Hackathon Programme - 13/04/2019 - 1:00 PM to 14/04/2019 1:00 PM

BENEFITS:

- o Participation Certificate in collaboration with Microsoft- AEP
- o Winner & Runner ups Certificates with Cash Prizes
- o And many more exciting prizes...
- o Team Size:- Min 3 to 6 Students

VENUE:

Malla Reddy College of Engineering Campus

IMPORTANT TIMELINES:

Last Date of Idea Submission: April 3rd, 2019
Announcement of shortlisted teams: April 8th, 2019

SELECTION CRITERIA:

- o Evaluation criteria will include novelty of the idea.
- o Complexity & clarity,Feasibility, Practicability, Sustainability, Scale of impact.
- o User experience and potential for future work progression.
- o While selecting between two ideas, preference will be given to the team with maximum girl members

THEMES :

- o Agriculture & Rural development
- o Healthcare & Biomedical
- o Renewable Energy
- o Robotics and Drones
- o Others

INSTRUCTIONS :

- o Min 3 to 6 Students per team is MANDATORY
- o At least 1 FEMALE team member is mandatory!
- o All team members should be from same college and from STEM (Science Technology Engineering and Maths) background.
- o No faculty members in teams
- o Most of the members MUST be well versed in programming skills
- o No restriction on number of teams from each college
- o No restriction on idea submissions against different problem statements by each team
- o Online Participation in Hackathon is allowed

REGISTRATION FEE :

For Training, Hackathon & Certificate: Rs. 750/- per person

Contact Number: 9363005813
E-mail:hackathon@mrce.in

REGISTRATION LINK :

visit www.mrce.in to get the following link

https://docs.google.com/forms/d/e/1FAIpQLSe0UVmnCMzCdBc2JfhuMnribXFWrzd2n6SzX48MxRoGG55vgw/viewform?usp=sf_link

Chief Patron:
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Dr T. V Reddy, Vice-Principal, MRCE

Programme Co-ordinators:
Dr.T.Sunil, Dean Academics
Dr.M.Narayanan, HOD-CSE
Dr. Nikhil Raj, Dean R&D

Faculty Co-ordinators:
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Dr. Purshotham Naik, HOD - ECE, Cell: 8374248992
Dr. P. Subhashini, Asst. Professor, CSE, Cell: 7680995513
Mr. Vikash Kumar, Asst. Professor, MECH, Cell: 7992375187
Mrs. P. Anitha, Asst. Professor,ECE, Cell: 8712831094

Student Coordinators:
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Nandhini - ECE
D. Ravali - CSE
G. Akashara Reddy - CSE
Padma Amulya - CSE
S. Anjali - CSE
G. Sai Shnavi - MECH
Sai Hurur - MECH, Cell: 9573599134
Ashok - MECH, Cell: 6305311703

ESS

MALLA REDDY COLLEGE OF ENGINEERING

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Accredited by NBA & Accredited by NAAC.
Recognised under under section 2 (f)& 12(B) of the UGC Act 1956.

24 Hrs HACKATHON

In Collaboration with

Microsoft

Authorized Education Partner

Conducted on

12th to 14th April, 2019

Winner I-Prize

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Malla Reddy College of Engineering(MRCE)

FMAE FRATERNITY OF MECHANICAL AND AUTOMOTIVE ENGINEERS
STUDENT CLUB

CERTIFICATE OF AUTHORIZATION

This is to certify that MRCE FMAE STUDENT CLUB

is authorized by

FRATERNITY OF MECHANICAL AND AUTOMOTIVE ENGINEERS

for the academic year 2017 -2018.

STUDENT CLUB ID : SFSC1701

MALLA REDDY COLLEGE OF ENGINEERING

ANIL SINGH MEHTA

MANAGER

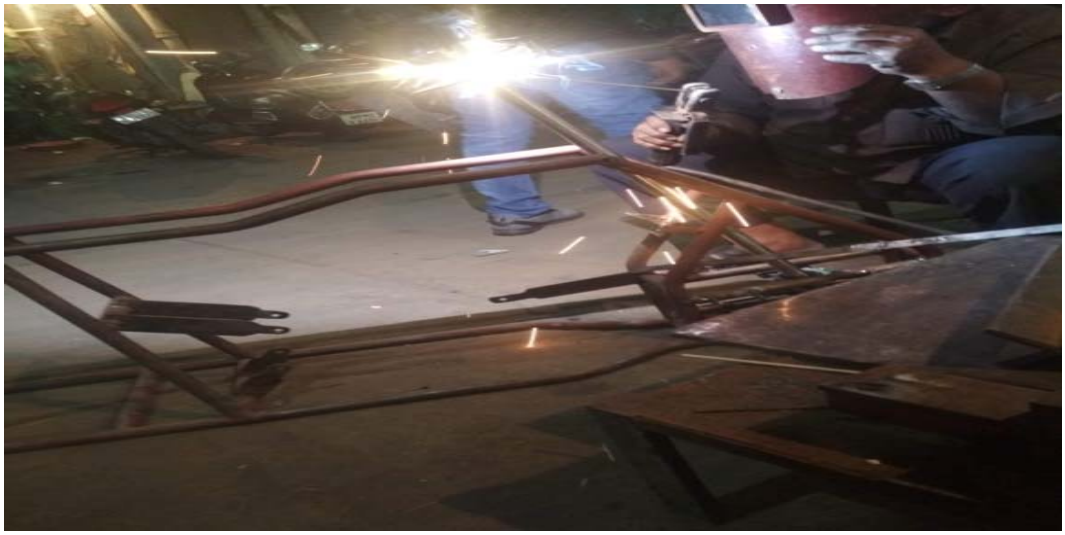
FMAE STUDENT CLUB DIVISION

FMAE
FRATERNITY OF MECHANICAL & AUTOMOTIVE ENGINEERS

WWW.FMAE.IN

QUAD BIKE DESIGN CHALLENGE SEASON (QBDC) – 4
Organized by
FRATERNITY OF MECHANICAL AND AUTOMOTIVE ENGINEERS
(FMAE)

Quad Bike Design Challenge is a National level Competition organized by Fraternity of Mechanical and Automotive Engineers where Motorsports Enthusiasts from Various engineering Colleges from our country design and fabricate a Market level All terrain vehicle (ATV). The event was organized at Area 56 Motorsports, Keesaragutta Hyderabad from 14-03-2019 to 18-03-2019. This was the fourth edition of the competition and Team Spur Boltz, a Dynamic team from Malla Reddy College Engineering registered for the event in the month of September 2018.



The team put in all efforts and manufactured a market level Quad bike and was well prepared for the event. We were fortunate to express our financial grievances to our founder Chairman Shri. Malla Reddy Garu, who extended whole hearted support to the team's venture and financially supported the team..

The event began on 14th March 2019 which was the Day 0. All teams had to report to the event followed by which the registration of team members was done. 23 teams from all over the country reported for the event. March 15th was Day 1, which marked the beginning of the Static Events i.e., Technical Inspection, Design and CAE evaluation, Cost and Sales Presentation. Our team cleared the Technical Inspection after rectifying some minor changes mentioned by the judges, which was a proud moment for the entire team. In addition, our Quad was the second Lightest among the 23 quads weighing 169.4 Kg.

Day 2 i.e., March 16 2019 marked the beginning of the dynamic events of the competition. Only teams that cleared Technical inspection are eligible to participate. The first event is the braking Test where it is checked whether the quad bike strops within a certain distance by maintaining minimum speed before application of brakes. Team Spur Boltz was once again successful and cleared brake test . Clearing The technical inspection and brake test is mandatory for any team to participate in all Dynamic events. The acceleration test followed suit where teams were tested on which quad covers a distance of 50 meters in the least time. Our quad bagged the third position in this event. Following this there was a traction test where we successfully completed the event again made sure that we were in top 5.

Day 3 , March 17 2019 was the continuation of the Dynamic events. The events were DirtX, Maneuverability and Suspension test. Team Spur boltz participated in the above events and gave a tough fight to the experienced teams. The team did face a few technical failures but reacted quickly and were back in the game in no time.

Day 4, March 18 2019 was the last day of the event. The day began with Hill climb where every participating team has to ride the bike up a steep slope in the shortest time. Team Spur boltz Clocked a time of 3.48 seconds bagging the first prize in this event. The last event was the Endurance which was conducted in two phases, each phase being conducted over a time period of two hours. Team spur boltz managed to complete 25 laps in both phases bringing an end to all the events of the competition.

Day 4, March 18 2019 was the last day of the event. The day began with Hill climb where every participating team has to ride the bike up a steep slope in the shortest time. Team Spur boltz Clocked a time of 3.48 seconds bagging the first prize in this event. The last event was the Endurance which was conducted in two phases, each phase being conducted over a time period of two hours. Team spur boltz managed to complete 25 laps in both phases bringing an end to all the events of the competition. The Same day the closing ceremony of the event was conducted and all the teams were awarded for their achievements. Team Spur Boltz was awarded for coming first in hill climb.

The event was a learning experience for all the team members imbibing knowledge of various aspects of working of an automobile. Team Spur Boltz would like to Express heartfelt gratitude to our Chairman Shri CH Malla Reddy garu and Our Secretary Shri CH Mahendar Reddy garu who supported the team by Releasing an amount of Rs. 1,00,000 for the team, and the team will forever be indebted for their kind gesture and also look forward to similar support in future projects.

We express our sincere gratitude to our Director Shri Sudhir Reddy garu, Principal Dr. John Paul garu and Vice Principal Dr. T. V. Reddy garu for the constant support and also for the permission given to the team to work on the quad during the college hours.

We would like to whole heartedly thank the mechanical HOD Dr. Karthikeyan, our faculty advisor Dr. Vel Murugan for supporting the team technically from the inception of the project. A Special mention to our Admin department who worked hard to make sure the team received the funds in time. Big thanks to each and every faculty of the Mechanical Department including the Lab technicians for their guidance, technical support and prayers throughout the manufacturing phase of the quad. Team Spur Boltz and Malla reddy College of Engineering has been pinned on the map of motorsports leaving a footprint in National

level Gokart and Quad Bike competition over the last three years. The team request the college to continue the support for all the upcoming Projects in the same way so that the spirit of motorsports never goes down in Malla Reddy College of Engineering.

Malla Reddy College of Engineering

Principal
Malla Reddy College of Engineering

FORMULA KART DESIGN CHALLENGE SEASON 2

Team Spur Boltz from Malla Reddy college of engineering is a dynamic team that comprises of motorsports enthusiasts. The team registered for Formula Kart Design Challenge season 2 organized by Fraternity of Mechanical and Automotive Engineers.
The team comprising of 22 students from mechanical department under the technical guidance of Dr. Vel Murugan, registered for the event in September August 2017. The team designed and manufactured a race class gokart. The final event was conducted at two venues i.e., REVA University and Mecokartopia from 17th to 19th march 2018.

On day one the static events were flagged off. The technical inspection, design and CAE evaluation, cost and sales presentation was conducted at REVA university .Our gokart cleared Technical inspection and was ready for the brake test. The team performed well in the other static events too.On day two the static events continued and toward noon all the teams who cleared the TI lined up for the brake test and the acceleration test Our team cleared the brake test in the very first attempt. And also performed well in the acceleration test.

Malla Reddy College of Engineering

Principal
Malla Reddy College of Engineering

THE *IOT* BASED *HOME AUTOMATION*

Today in the headway of Automation innovation, life is getting simpler and less demanding in all spheres. Home automation is a modern technology that modifies your home to perform different sets of task automatically. Today Automatic frameworks are being favored over manual frameworks. No wonders, home automation in India is already the buzz word, especially as the wave of second generation home owners grows, they want more than shelter, water, and electricity. The first and most obvious advantage of Smart Homes is comfort and convenience, as more gadgets can deal with more operations (lighting, temperature, and so on) which in turn frees up the resident to perform other tasks. Smart homes filled with connected products are loaded with possibilities to make our lives easier, more convenient, and more comfortable.

There is no shortage of possibilities for smart home IoT devices as home automation seems to be the wave of the future. The requirement for Office and Home automation arises due to the advent of IoT, in a big way in homes and office space. The smart home/office gadgets interact, seamlessly and securely; control, monitor and improve accessibility, from anywhere across the globe. These smart automation devices happen to have an interface with IoT. IT automation will be the key to bridging the gap between human limitations and technology's capabilities. With automation, data can be instantly collected and seamlessly passed between devices as it's simultaneously analyzed. Home automation is an appealing context for the Internet of Things (IoT), by connecting the IP gateway directly to the Internet or through a home/residential gateway; this system can be managed remotely using a PC, Smart phone, Tablet or other devices

Controller: The Brain of Your System

The main controller or the hub is the most essential part of your Home Automation system irrespective of whether you connect single or multiple sensors in your home. The main controller or the hub is also referred to as gateway and is connected to your home router through the Ethernet

cable. All the IoT based sensors transmits or receive commands through the centralised hub. The hub in turn receives the input or communicates the output to cloud network located over the internet. Due to this kind of architecture, it is possible to communicate with the centralised hub even from remote and distant locations through your smartphone. All you need is just a reliable internet connection at the hub location and the data package to your smartphone that helps you connect to the cloud network. Most of the smart home controllers available in the market from several manufacturers cater to all three widely used protocols of wireless communication for Home Automation

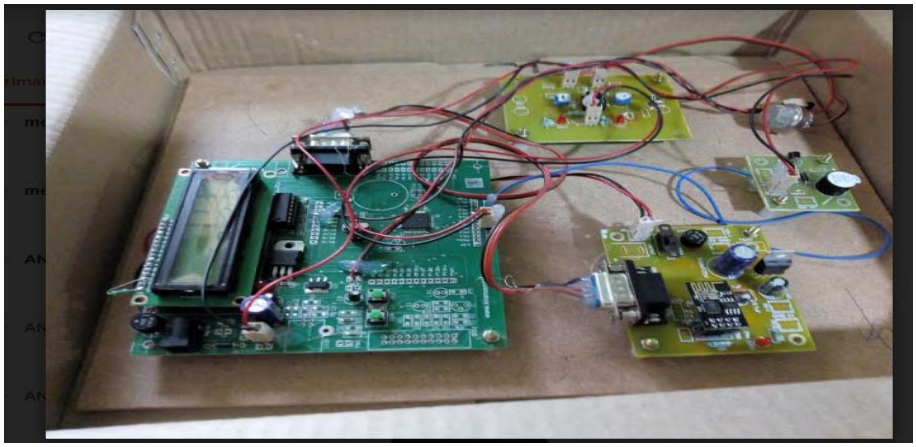
Smart Devices: The Sensory Organs of Your Home

The IoT based home automation consist of several smart devices for different applications of lighting, security, home entertainment etc. All these devices are integrated over a common network established by gateway and connected in a mesh network. This means that it gives users the flexibility to operate one sensor based followed by the action of the other. For e.g. you can schedule to trigger the living room lights as soon as the door/windows sensor of your main door triggers after 7pm in the evening. Thus all the sensors within a common network can perform cross-talk via the main controller unit. As shown in the figure, some of the smart sensors in home automation acts as sensor hubs. These are basically the signal repeaters of signal bouncers which that are located in the midway between the hub installation location and the sensors that are at a distant location. For such long distances, these sensor hubs play an important role to allow easy transmission of signals to sensors that are far away from the main controller but in closer proximity to the sensor hub. The commonly used sensor hubs in IoT based Home Automation system are Smart Plugs.

The IoT based Home Automation system offer a lot of flexibility over the wired systems s it comes with various advantages like ease-of-use, ease-of-installation, avoid complexity of running through wires or loose electrical connections, easy fault detection and triggering and above and all it even offers easy mobility.

INDUSTRIAL SECURITY SYSTEM USING IOT

Disaster planning and response require complex and more scientific analysis. The phases of the detection and rescue process need a highly efficient management system, which can predict the disaster, prevent, prepare, trigger immediate medical response, assistance, and rehabilitation . The disaster that causes severe losses in human lives and associated goods because of a large amount of heat produced is called as a thermal disaster. In case of a burn disaster, a known thermal agent acts on living beings giving rise to a number of injuries and even death. The heat dissipation is generally on a very large scale.



The project focuses on the man-made disasters like leakage of gas or the worst case of a fire. Toxic and inflammable gases are widely used in industry, heating systems, home appliances and vehicles. This includes combustible gases like propane, ethane, butane, methane, ethylene etc. Liquefied Petroleum Gas , also referred to as propane or butane are normally stored in pressurized cylinders in liquid form and they vaporize at normal temperatures. A leakage can ignite and cause an explosion.

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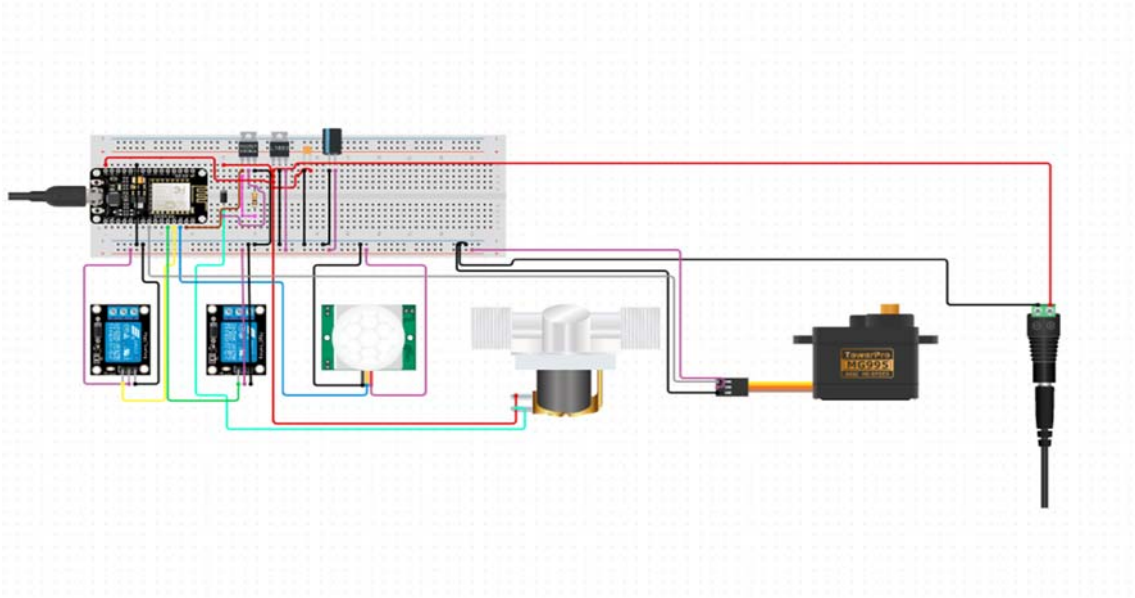
SMART ALERT FOR WASHROOM MANAGEMENT SYSTEM

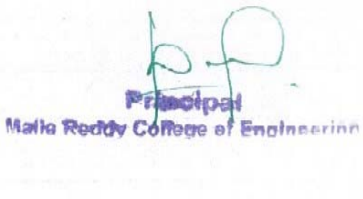
The Internet of Things, or IoT, is a system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers (UIDs) and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction. There are various systems which has certain disadvantages. Our students had introduced a smart alert for washroom management system. An automatic flushing system having an electrically-operated flush valve, a sensor for determining the presence of a person and a control circuit responsive to the sensor for initiating the operation of the flush valve. The sensor emits pulses from within a defined viewing area. A lens system is arranged to collect reflected light only from the defined viewing area. Light reflected from walls, tile or other shiny surfaces does not activate the control circuit. The sensor is mounted below and behind the flush valve actuating means so as to be partially hidden from view and thus discourage tampering with the sensor. Using IoT sensors for determining the cleanliness of the washroom and update it real-time to the mobile application we have developed for this product. The application (app) is capable of holding statistical data and also there is a cleaner section to graphically represent the condition of the washroom and many more features inbuilt.

REQUIRED COMPONENTS

- Identification Phase
    1. Photo sensors.
- Pre-Cleaning phase
    2. Solenoid
    3. Servo Motor
    4. Relay Modules
    5. Room freshening spray.

- Alert Phase
    a. Buzzer (5V)
    b. GSM modules(optional)
- Common Components
    a. NODE MCU microcontroller
    b. Jumper wires.
    c. Bread board.
    d. Outer body for the apparatus.

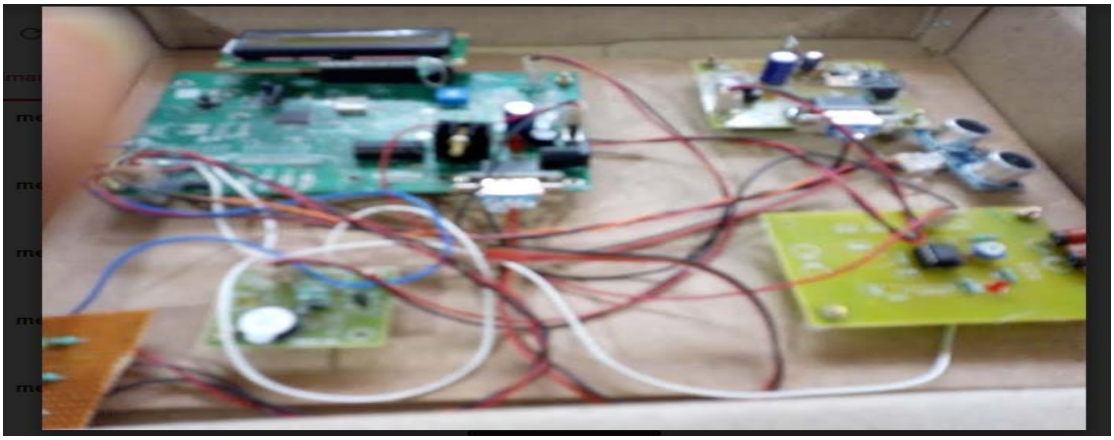




CROSSING SYSTEM USING IOT

Since individuals and vehicle are sharing the road, crosswalk expands effectiveness of utilizing the road in exceedingly thought region. Be that as it may, as the populace expands, this brings more incessant accidents and more genuine wounds and subsequently, nationals are attempting to diminish these accidents by making advancements and legitimate approvals. Such activities pull down the aggregate number of lethal accidents yet sadly, number of pedestrian fatalities does not diminish for 10 years. To be particular, this casualty does not have a comparative trademark thinks about to others.

Crosswalk is a method for sharing the street amongst vehicle and individuals. Be that as it may, thickness of the populace rises, in the interim the quantity of aggregate mischances diminishing, the quantity of passerby mishap does not drop down for a long time. In this we come up with another framework called Smart Crossing that is another sort of crosswalk utilizing sensors, illuminator and an IoT gadget to guard person on foot in while crossing. In this paper, we propose a crosswalk framework utilizing sensors to track passerby and feature them to make vehicle driver effortlessly keep away from any risky circumstances.



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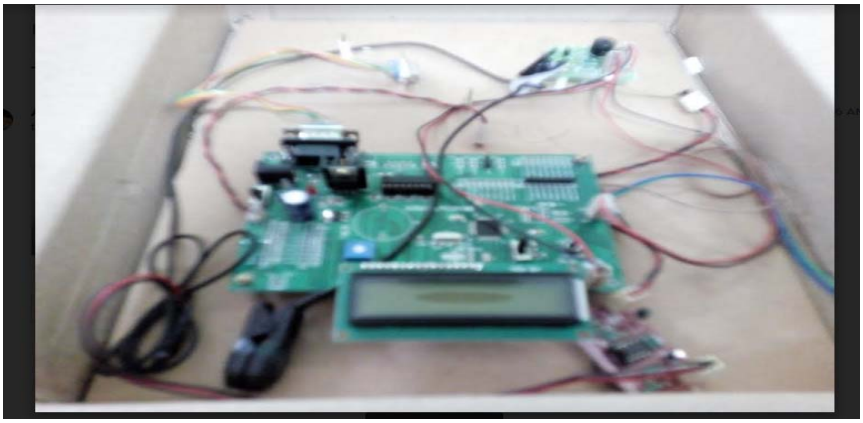
Smart Health monitoring system using IOT

Students of mrce with regards IoT brings the gadgets together and assumes a fundamental part in different methodologies like smart home mechanization, savvy urban areas, vehicle parking, traffic control, brilliant industries, smart environment, agribusiness fields and patient health monitoring system and so on. One of the approaches is to monitor the health state of the patient and screen it to doctors or paramedical staff through the IoT, as it is hard to screen the patient for 24 hours. So here the patient health condition or status i.e. Pulse rate, Respiratory rate, Body Temperature, Position of the body, Blood glucose, ECG and so on can be measured by utilizing the Non-invasive sensors. These sensors are associated with the Arduino Uno board, it gathers the information i.e. biomedical data from the sensors and the detected biomedical information can be transmitted to the server. The “Thing speak” named new cloud is utilized here to place the detected information into the server. From this server the information can be envisioned to the specialists and other paramedical staff by Thing speak android app. In this way by utilizing this Smart health monitoring system diminishes the exertion of specialists and paramedical staffs to screen the patient for 24 hours and furthermore lessens the time and cost of support..



The students of MRCE worked with the proliferation of Internet of Things (IoT) devices such as smartphones, sensors, cameras. It is possible to collect massive amount of data for localization and tracking of Health of the patient. The students project describes the design of a simple, low-cost controller based patient health monitoring system. Heart rate of the subject is measured from the thumb finger using IRD (Infra Red Device sensors and the rate is then averaged and displayed on a 16 X 2 LCD display).This instrument employs a simple Opto electronic sensor, conveniently strapped on the finger, to give continuous indication of the pulse digits. The Pulse monitor works both on battery or mains supply.

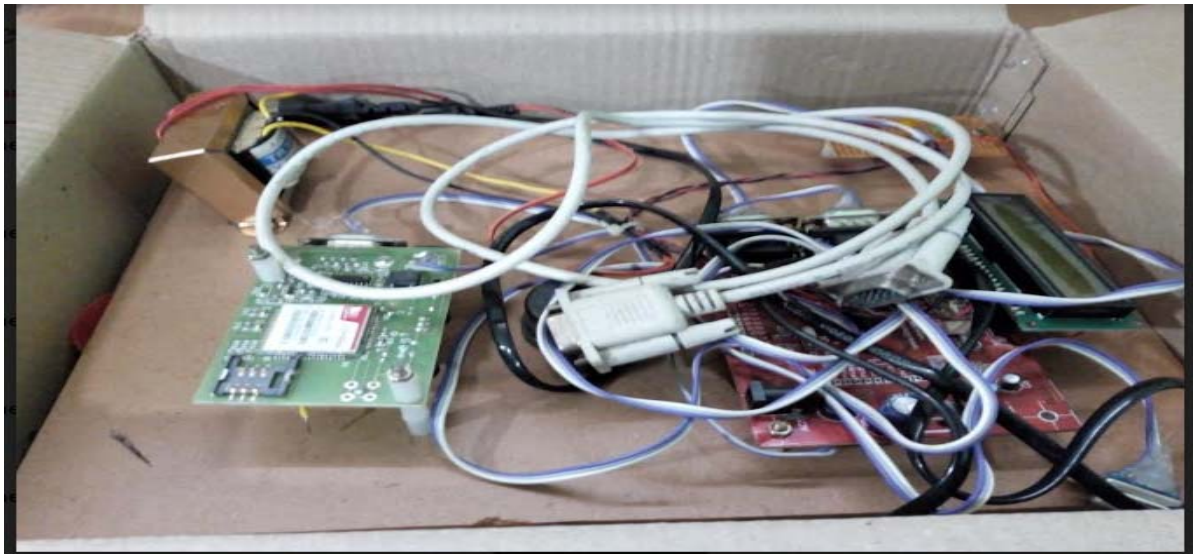
It is ideal for continuous monitoring in operation theatres, I.C.units, biomedical/human engineering studies and sports medicine. By reading all the values of temperature and heart rate will be displayed on PC/Phone. This project uses AT89S52 Microcontroller as heart of the project. Here, they used regulated 5V, 750mA power supply. 7805 three terminal voltage regulator is used for voltage regulation. Bridge type full wave rectifier is used to rectify the ac out put of secondary of 230/12V step down transformer. Temperature, Heart beat, will be displayed on the LCD display which is connected to the Microcontroller.

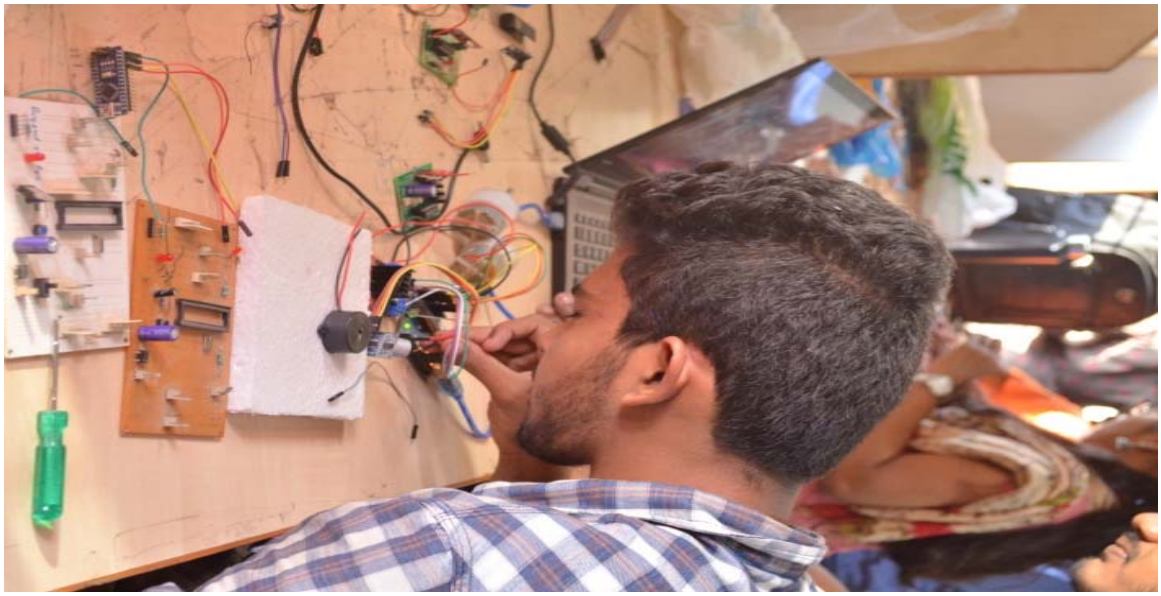
Traffic Light Control System through IOT

Traffic signal management is one of the major problematic issues in the current situation. Such scenarios, every signal are getting 60 seconds of timing on the road at a regular interval, even when traffic on that particular road is dense. As per this proposed model in this article, which will be optimized the timing interval of the traffic signal purely depends on the number of vehicles on that particular roadside. The major advantage of this system is that it can able to decrease the more waiting time for the drivers to cross road signal. In this model, we are using the clustering algorithms model which is based on KNN algorithm. Using this algorithm new model will be liable to determine expected required timing as per provided inputs to the signal which is vehicles count. The input of these systems is vehicles counts on each side of the road from crossing signal. And this input will be determined on much time is to be provided. “Case studies on this system are traffic network and real-time traffic sub-networks are organized to get the effectiveness of the proposed model.”

Our project is “One of the important things in the Internet of things in smart cities is the Intelligent Transportation System (ITS). ITS improves Vehicle to vehicle and Vehicle to Infrastructure communication for improving road facilities rather than increasing road capacities or developing new roads. This is possible because of ITS, it utilizes advanced information and communication, and this communication will be helpful for decreasing traffic congestion and to reduce the accidents on the road, which is dangerous in the urban areas.” “Managing traffic signal timing is one if the key thing in the urban areas. Managing to time on the road will decrease the waiting time of the drivers on the road, and that will help to reduce the fuel consumption.

This is done with the help of the ITS.” In this system, we are going to use IR Sensors. IR sensor is also called as an Infra-Red spectrum. IR sensors have 2 parts in it, one is the transmitter and second is a receiver. The transmitter is used to transmit the light and receiver keeps on receiving the light. When this connection is interrupted, the counting process is started, i.e., when the receiver does not receive the light transmitted by the The line of sight concept is used in this approach.”



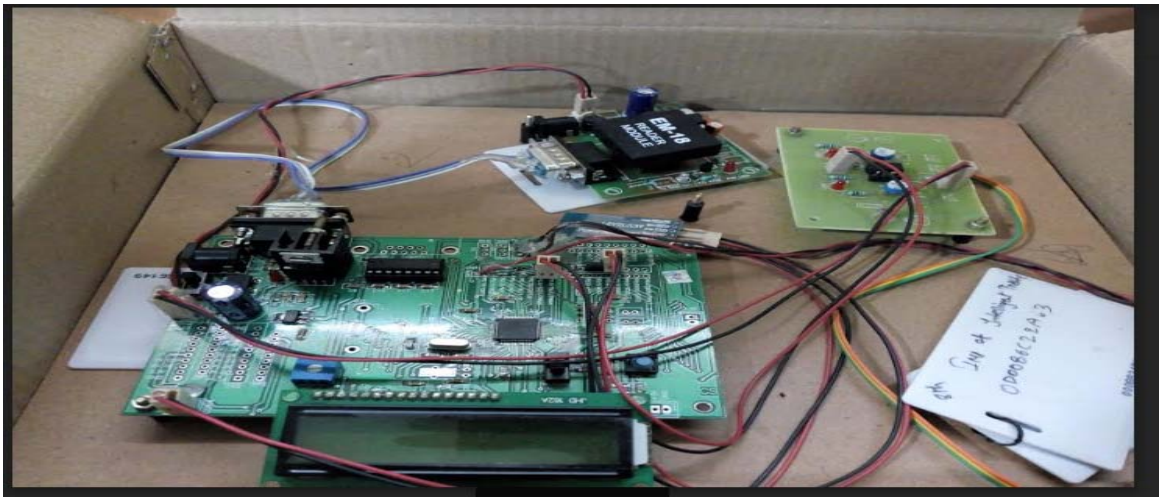


Principal
Malla Reddy College of Engineering

Entrance Finger Print vehicle security system

Automobile security is one of the growing concerns in India. Safeguarding of vehicle against theft is one of the major issues confronting developing countries. Varied techniques have been tried and tested to protect and secure the automobiles. Embedded computing is an emerging technology widely used in improving and enhancing security against the theft of vehicles. In this age of soaring vehicle thefts, vehicle safety has become a matter of prime importance. Investigators owe this increase in thefts to the lack of proper parking spaces in residential areas and lack of availability of sophisticated security devices.

As a solution to the aforementioned problem, in thisproject, we have developed a prototype model of a fingerprint-based security system for vehicles by interfacing Fingerprint sensor module R307 along with Arduino Uno. A person can start the vehicle, but only upon fingerprint authentication can the person put the vehicle into motion. In recognition of the fingerprint, the valve fixed in the outlet of fuel tank opens, thereby allowing the flow of fuel to the engine.



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