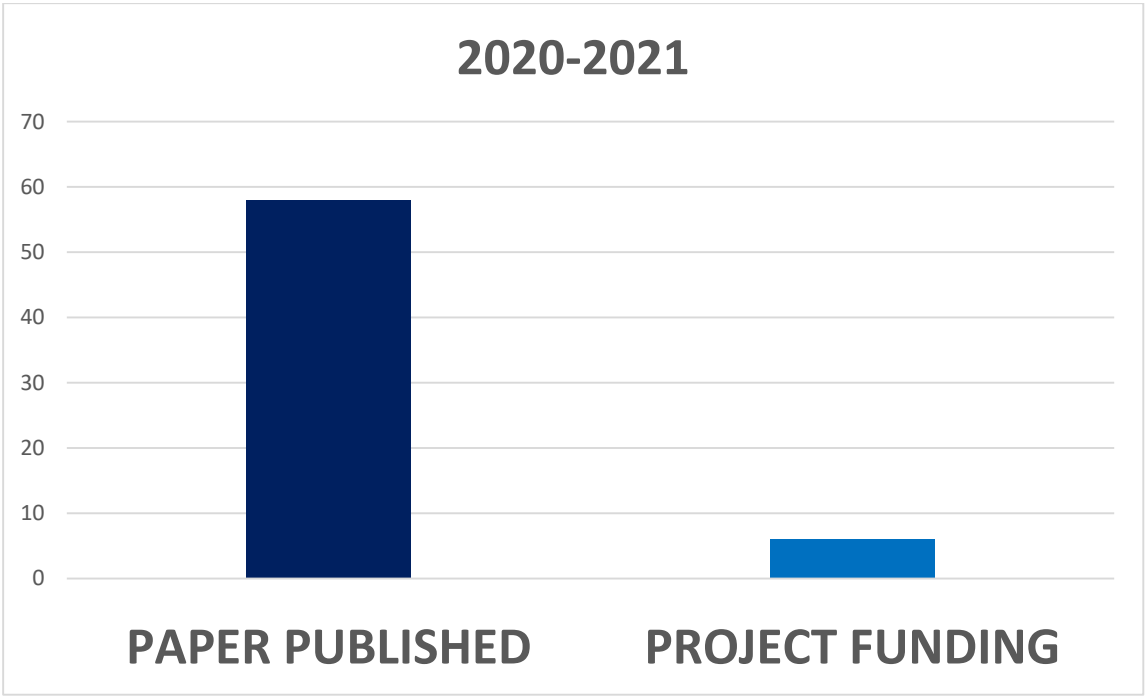
PROJECT EXHIBITION CUM COMPETITION
ACADEMIC YEAR
2020 – 2021

PROJECT EXHIBITION CUM COMPETITION

ACADEMIC YEAR 2020 – 2021

SL NO	DEPARTMENTS	TOTAL NO OF PROJECTS	PAPER PUBLISHED	PROJECT FUNDING
1	Computer science Engineering	41	**44**	
2	Electronics and communication Engineering	41	**2**	
3	Electrical and electronics engineering	33	**2**	**2**
4	Electronics and telecommunication Engineering	13	-	-
5	Mechanical Engineering	20		
6	Civil engineering	14	**9**	**1**
7	Biotechnology	12	**2**	**3**
8	Master Business Administration	103	**-**	**-**



PRINCIPAL
Sir M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunasamaranahalli,
International Airport Road, Bangalore-562 157.

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Bengaluru – 562157

PROJECT EXHIBITION CUM COMPETITION

SL.NO	Contents
1	Project Coordinator allotment letter
2	Circular for project review
3	Brochure
4	Rubrics
5	Student project list
6	Paper published
7	If any project selected for fund (KSCST)
8	Report
9	Glimpses

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Sir M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
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International Airport Road, Bangalore-562 157.

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 22/10/2020

To,

Dr. Sreenivasa B C

Associate Professor

Dept. of CSE

Sir MVIT

Respected Madam,

Sub: Project Exhibition coordinator allotment letter-reg

This is to inform you that you have been nominated as a project coordinator and for organizing project exhibition for the final year students.

Thanking You,

HOD CSE

PROF & HEAD
DEPARTMENT OF COMPUTER SCIENCE & ENGG
Sir M. Visvesvaraya Institute of Technology
Hunasamaranahalli, Off International Air Port Road.
Bangalore-562157.

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 22/10/2020

To,

Dr. Sushila Shidnal

Assistant Professor

Dept. of CSE

Sir MVIT

Respected Madam,

Sub: Project Exhibition coordinator allotment letter-reg

This is to inform you that you have been nominated as a project coordinator and for organizing project exhibition for the final year students.

Thanking You,

HOD CSE

PROF & HEAD
DEPARTMENT OF COMPUTER SCIENCE & ENGG
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SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Date: 22/10/2020

CIRCULAR

A meeting is scheduled on 22/10/2020 in the HOD chamber at 2.00pm, following are the list of agenda to be discussed regarding Final year Projects.

Agenda:

1. Constitution of Project Committee members.
2. Identification of Thrust Areas of Research
3. Formation of project rubrics.
4. Tentative dates for project presentation.
5. Deadline for project title, synopsis and batch list submission.

HOD
CSE

PROF & HEAD
DEPARTMENT OF COMPUTER SCIENCE & ENGG
Sir M. Visvesvaraya Institute of Technology
Hunasamaranahalli Off International Air Port Road,
Bangalore-562157

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PROCEEDINGS OF THE MEETING REGARDING FINAL YEAR PROJECT 2020-21

Date: 22/10/2020

Members Present:

1. Dr. G.C Bhanuprakash
2. Dr. Suma Swamy
3. Dr. Sreenivasa B C
4. Dr. Pallavi R
5. Mrs. Rekha B N
6. Dr. Sushila Shidnal
7. Mrs. K.P Mayuri

HOD welcomed the members and briefed the agenda for the meeting.

1. Formation of Project Committee members:

The project committee is formed as per the suggestion given by the senior faculty members and HOD. Also Dr G C Bhanu Prakash proposed that Dr. Sreenivasa B C and Dr. Sushila Shidnal as project Coordinator's for the academic year 2020-2021. Which is accepted by all the members present, HOD also said that he will be taking care of project activities and conduct necessary meetings hereafter in the department along with Coordinators.

2. Identification of Thrust Areas of Research:

The following thrust areas of research were identified by the project committee members:

Cryptography & Network Security, Computer Graphics, Pattern Recognition and Image Processing, Artificial Intelligence, Software Engineering, Distributed Computing, Web Technologies, Ad-Hoc Wireless Area Network, Data Computing, Soft Computing, Applications of AI & Neural Network in Biomedical Research and Bioinformatics

These will be circulated to the students to receive the synopsis as per the thrust areas.

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DATE: 22/10/2020

SL.NO	Name	Signature
1	Dr. G.C Bhanuprakash	
2	Dr. Suma Swamy	
3	Dr. Sreenivasa B C	
4	Dr.. Pallavi R	
5	Mrs. Rekha B N	
6	Dr. Sushila Shidnal	
7	Mrs. Mayuri K P	

3. Formation of project rubrics:

For project phase I the rubrics are framed for evaluating Preliminary synopsis presentation, literature survey presentation, seminar & publication & report.

For project phase II the rubrics are framed for evaluating project review, presentation, work report & publication.

4. Tentative dates for phase1 and phase II.

The following were the dates decided by the project committee members:

Preliminary synopsis presentation	15/11/2020
Preliminary literature survey presentation	01/12/2020
Phase I seminar	15/12/2020 to 20/12/2020
Phase I report submission	30/12/2020

5. Deadline for project title, synopsis and batch list submission.

The students should be informed about the submission of project details like Project title, synopsis and batch list on or before 04/11/2020.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

RUBRICS FOR PROJECT EXHIBITION EVALUATION

Sl. No.	Parameters	Excellent	Good	Average	Fair/Basic	Poor/Fair below basic
1	Topic [10]	Emerging Technology (10)	Current Research topics(8)	Existing research topic with improvements (6)	Existing research topic(4)	Obsolete Technology(2)
2	Technical Content [10]	10 and above SCI,Scopus or IEEE surveyed papers (Literature Survey)(10)	8 and above SCI,Scopus or IEEEsurveyed papers (Literature Survey)(8)	7 and above SCI,Scopus or IEEE surveyed papers (Literature Survey)(6)	6 and above SCI,Scopus or IEEE surveyed papers(Literature Survey)(4)	Less than 5 SCI,Scopus or IEEE surveyed papers (Literature Survey)(2)
3	Presentation [20]	Contents of the presentation are appropriate and well organized(20)	Contents of the presentation are appropriate and moderatly organized (15)	Contents of the presentation are appropriate but not well organized(10)	Contents of the presentation are inappropriate and needs revision (5)	Contents of the presentation are poor needs revision (2)
4	Viva [10]	Questions are orally asked to students and marks are given based on correct answer				

Prepared By: Mrs. Sushila Shidnal

HOD, CSE
PROF & HEAD
DEPARTMENT OF COMPUTER SCIENCE & ENGG
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Bangalore-562 157.

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Bengaluru - 562157, Karnataka

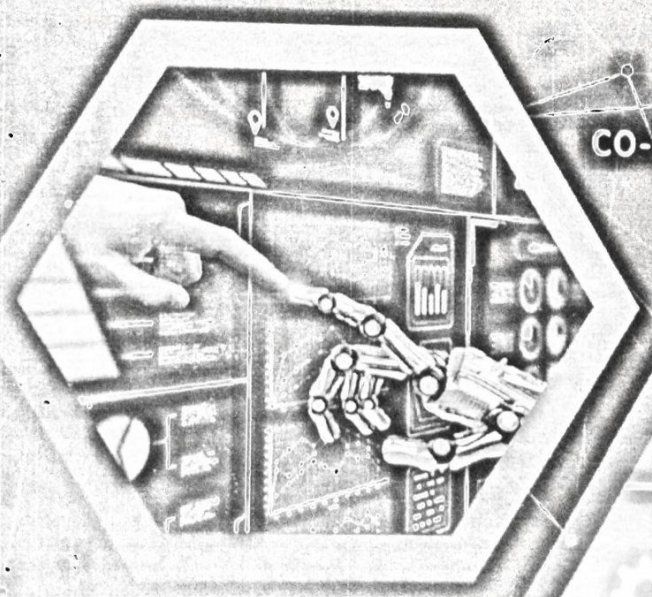
UG PROJECT EXHIBITION

10TH JULY, 2021

Organized by Department of Computer Science and Engineering

CHALLENGE YOUR LIMITS & MAKE IT HAPPEN

PRINCIPAL : DR.V.R MANJUNATH
CONVENOR : DR. G.C BHANUPRAKSH
CO-ORDINATORS : DR. SREENIVASA B.C
DR. SUSHILA SHIDNAL



TECH ON

DATE: 08/07/2021

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering

Semester : VIII 2020 -2021

Subject Name / Code : Project Work-II / 17CSP85

Sl. No.	Venue	Batch No.	Internal Guide	External Guide	Venue Coordinator	Google Meet Link
1	NB - 107 'A'	B1 TO B10	Dr. SUMA SWAMY	Dr. NALINI NIRANJAN	Mrs. Mayuri K P & Mrs.Kavyashree G M	https://meet.google.com/pbb-zbfp-fmt
2	NB - 107 'B'	B11 TO B20	Dr. SREENIVASA B C	Dr. ASHOK D V	Miss.Dhivya V & Mrs. Hemapriya B C	https://meet.google.com/dpj-znta-xcn?hs=122&authuser=0
3	NB - 108	B21 TO B30	Mrs. REKHA B N	Dr. BHARATHI M	Mrs. M G Kousar & Mrs. Nethravathi T L	https://meet.google.com/eqh-qesj-hyr
4	NB - 111	B31 TO B41	Dr. SUSHILA SHIDNAL	Dr. THRIVENI J	Mrs. Savitha P & Miss. Charu Chouhan	https://meet.google.com/rga-uhoa-ezv

DATE: 08/07/2021

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering

Semester : VIII 2020 -2021

Subject Name / Code : Project Work-II / 17CSP85

VENUE - 107 'A' Coordinators Mrs. MAYURI K P & Mrs. KAVYASHREE G M

Sl. No.	Batch No.	USN	Name	Project Title
1	B1	1MV17CS133	ASHOK KUMAR A	STOCK PREDICTION USING MACHINE LEARNING
		1MV17CS403	DILIP KUMAR R	
		1MV18CS401	ANIL MANJUNATHA MADIVALA	
		1MV18CS404	DEEPAK ISHWAR GOUDA	
2	B2	1MV17CS059	PRATYUSH M	DETECTING DIABETIC RETINOPATHY
		1MV17CS054	VISHWESH	
		1MV17CS051	KSHITIJ DHAR	
		1MV17CS026	BHAVIKA ARIGALA	
3	B3	1MV17CS042	HITESH KUMAR	MENTAL HEALTH ANALYSER/DETECTOR USING DEEP LEARNING
		1MV17CS016	ASHWANI KUMAR	
		1MV17CS021	AYUSH TALESARA	
		1MV17CS007	AKSHAY KUMAR	
4	B4	1MV17CS019	AVINASH ANAND LAL	MUSIC GENRE CLASSIFICATION USING DEEP LEARNING
		1MV17CS020	AVINASH KUMAR	
		1MV17CS045	KANISHK SAXENA	
		1MV17CS046	KARAN DIXIT	
5	B5	1MV17CS029	DEEKSHITH GOWDA GK	FACE MASK DETECTION USING MACHINE LEARNING AND DEEP LEARNING
		1MV17CS057	MOHAN KUMAR KV	
		1MV17CS062	NAVEEN C	
		1MV17CS132	ABHISHEK SHARMA	
6	B6	1MV17CS063	ANIRUDH KIRAN NAYAK	FACE RECOGNITION BASED ATTENDANCE SYSTEM
		1MV17CS030	DEEPAKA HEBBAR K A	
		1MV17CS025	BHASKAR	
		1MV17CS017	ASIF HASNAT	
7	B7	1MV17CS002	ABHISHEK BHALOTIA	EMOTINET- A FACIAL EXPRESSION RECOGNIZER
		1MV17CS003	ADITYA RAJNEESH SINGH	
		1MV17CS061	NAMAN SAXENA	
		1MV16CS039	KALYAN KUMAR	
8	B8	1MV17CS038	HARSH GAHLOT	AUTO STENO USING SPEECH RECOGNITION AND CLASSIFICATION
		1MV17CS022	AYUSHI	
		1MV17CS034	DIKSHA BHARTI	
		1MV17CS032	DHANYA NAGESH NAIK	
9	B9	1MV17CS037	MOUNIKA. G	MNIST DIGIT CLASSIFICATION
		1MV17CS039	HARSHITHA	
		1MV17CS043	JAYASHREE	
		1MV17CS036	G. ARYA REDDY	
10	B10	1MV17CS001	AAYUSH NARULA	VEHICLE TYPE CLASSIFIER AND NUMBER PLATE READER USING DEEP LEARNING
		1MV17CS005	AISHWARY AGRAWAL	
		1MV17CS040	HARSHVARDHAN BHATIA	
		1MV17CS060	N V DEVANAND	

DATE: 08/07/2021

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering

Semester : VIII 2020 -2021

Subject Name / Code : Project Work-II / 17CSP85

VENUE - 107 'B' Coordinators Miss DHIVYA V & Mrs HEMAPRIYA B C

Sl. No.	Batch No.	USN	Name	Project Title
1	B11	1MV17CS012	ANUSHA J ADHIKAR	STOCK PREDICTION USING MACHINE LEARNING
		1MV17CS013	APEKSHA K JADHAV	
		1MV17CS028	CHARITHA G	
		1MV17CS047	KARISHMA K H	
2	B12	1MV17CS006	AISHWARYA V	MOTION DETECTION USING IOT AND EMBEDDED SYSTEMS FOR SURVEILLANCE
		1MV17CS018	ASWIN GOPINATHAN	
		1MV17CS024	BHARATH CS	
		1MV17CS033	DHEERAJ N BHAT	
3	B13	1MV17CS130	RAMYA T	SPEECH EMOTION RECOGNITION
		1MV18CS408	KAVYA M	
		1MV18CS419	UZMA TAJ	
		1MV17CS135	ERICA DAVEY	
4	B14	1MV17CS031	DEV AGARWAL	INTELLIGENT MATCHMAKING OF USER PROFILES USING NATURAL LANGUAGE PROCESSING
		1MV17CS052	KUMAR AKSHAT	
		1MV17CS056	MOHAMMED HISHAM RAHAMATH	
5	B15	1MV17CS011	A SAI BHARGAV	IMAGE CAPTION GENERATOR USING MACHINE LEARNING
		1MV17CS027	CHANDRASHEKARA K V	
		1MV17CS048	KARTHEEK R	
		1MV17CS055	SATHYANARAYANA M	
6	B16	1MV17CS041	HEMANTH S	SOCIAL DISTANCING DETECTOR USING MACHINE LEARNING AND IMAGE PROCESSING
		1MV17CS053	LIKITH M GOWDA	
		1MV17CS107	SOURAV M	
		1MV17CS125	YASHWANTH VARMA	
7	B17	1MV17CS004	ADITYA RAMAN	SELF DRIVING VEHICLES SIMULATION
		1MV17CS014	APOORVA KUMAR SINGH	
		1MV17CS015	ASHUTOSH	
8	B18	1MV14CS136	SUPARNA PAL	WEATHER MONITORING AND MANIPULATION SYSTEM
		1MV16CS010	AMAN D A MULIMANI	
		1MV17CS010	ANKUSH RAMASWAMY	
		1MV17CS131	ABHIJEET KUMAR SINGH	
9	B19	1MV17CS087	RAJAT KALSOTRA	WORD LEVEL SIGN LANGUAGE RECOGNITION
		1MV17CS089	ROHIT ANAND	
		1MV17CS105	SHUBH SAXENA	
10	B20	1MV17CS077	PRAGATHI M I	IMAGE COMPLETION AND IMAGE SUPER RESOLUTION USING GAN
		1MV17CS079	PRAKRUTHI M	
		1MV17CS076	POOJA S VEL	
		1MV17CS092	S KOMALA	

DATE: 08/07/2021

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering

Semester : VIII 2020 -2021

Subject Name / Code : Project Work-II / 17CSP85

VENUE - 108 Coordinators Mrs. M G KOUSAR & Mrs.NETHRAVATHI T L

Sl. No.	Batch No.	USN	Name	Project Title
1	B21	1MV17CS009	AMRUTH	OBJECT DETECTION USING DEEP LEARNING WITH openCV AND PYTHON
		1MV17CS104	SHREYAS N SRIVATSA	
		1MV17CS109	SREEVATHSA G	
		1MV17CS120	VINAY G	
2	B22	1MV17CS106	SOMYA	SIGN LANGUAGE INTERPRETATION USING MACHINE LEARNING
		1MV17CS110	SRISHTI NEMA	
		1MV17CS099	SARAH TARANUM K	
		1MV17CS128	PRATILIPI AICH	
3	B23	1MV17CS094	SAMRIDHI SHREYA	OPINION MINING OF TWITTER USERS USING MACHINE LEARNING
		1MV17CS049	KHUSHI PATTANSHETTY	
		1MV17CS086	PRIYESH	
		1MV17CS083	PRASHANT TIWARY	
4	B24	1MV18CS413	MITHUN KUMAR A R	REAL TIME EYE BLINKING FOR PASSWORD AUTHENTICATION
		1MV18CS418	TEJAS R S	
		1MV18CS400	AJAY KUMAR N	
		1MV18CS405	DINESHWAR K	
5	B25	1MV17CS066	NIDEEKSHA B K	CYBERBULLYING DETECTION USING MACHINE LEARNING
		1MV17CS071	P SHREYA	
		1MV17CS112	SUDHARANI REDDY P	
6	B26	1MV17CS097	SANMATI RM	PLANT DISEASE DETECTION
		1MV17CS116	UTKARSH SRIVASTAVA	
		1MV18CS420	VAISHNAVI S KORLAHALLI	
		1MV18CS422	VARSHITHA K	
7	B27	1MV18CS412	MANJUNATH N	RAINFALL PREDICTION USING MACHINE LEARNING AND DEEP LEARNING TECHNIQUES
		1MV18CS415	MURALIDHAR B R	
		1MV18CS417	SACHIN KUMAR S	
		1MV18CS421	VAMSHI K	
8	B28	1MV17CS075	POOJA K S	ONLINE SHOPPING PORTAL FOR VISUALLY IMPAIRED
		1MV17CS088	R N SHREYA	
		1MV17CS108	SREE LAKSHMI M	
		1MV17CS124	YASHIKA B C	
9	B29	1MV17CS073	PAVAN M N	FAKE NEWS DETECTION USING MACHINE LEARNING
		1MV17CS081	PRANAV R PRASAD	
		1MV17CS115	TEJAS GOWDA	
		1MV17CS118	VIBHAKAR TS	
10	B30	1MV16CS075	RAMARAJU SRIYA SWETHA	24/7 SMART IOT BASED INTEGRATED HOME SECURITY SYSTEM.
		1MV17CS113	SURAKSHA	
		1MV17CS114	SWAPNA T	
		1MV17CS414	PRIYANKA M	

DATE: 08/07/2021

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering

Semester : VIII 2020 -2021

Subject Name / Code : Project Work-II / 17CSP85

VENUE - 111 Coordinators Mrs. SAVITHA P & Miss CHARU CHOUHAN

Sl. No.	Batch No.	USN	Name	Project Title
1	B31	1MV17CS091	S AKSHAY	BRAIN TUMOR CELLS DETECTION USING IMAGE PROCESSING
		1MV17CS093	SAMARTH S N	
		1MV17CS096	SANDEEP K RAJU	
		1MV17CS119	VINAY D	
2	B32	1MV17CS129	UJWAL KUMAR	AI BASED SECURE EXAM PORTAL
		1MV17CS064	NEELESH CHANDRA M	
		1MV17CS117	UTKARSH TRIPATHI	
		1MV17CS074	PIYUSH SHARMA	
3	B33	1MV17CS082	PRASHANT BHATI	HOTEL REVIEWS SENTIMENT ANALYSIS USING BERT
		1MV17CS085	PRIYANSH SINGH	
		1MV17CS072	PARTH PARASHAR	
		1MV17CS090	RUPAM KUMAR	
4	B34	1MV17CS100	SAURABH KUMAR LALL	CREDIT CARD FRAUD DETECTION USING MACHINE LEARNING
		1MV17CS080	PRANAV PRANJAL	
		1MV17CS098	SARABJEET KUMAR	
5	B35	1MV17CS095	SANDEEP HUNNU RATHOD	AGE AND GENDER DETECTION USING DEEP LEARNING IS OUR TROPIC NAME
		1MV17CS122	VIVEK RANGREJ	
		1MV17CS023	BALAVAN	
6	B36	1MV16CS126	VISHWAS BHUSHAN	LETTER RECOGNITION USING DEEP LEARNING
		1MV16CS096	SUBRATA MONDAL	
		1MV16CS115	VAIBHAV SINHA	
		1MV16CS078	ROHAN S ROSHAN	
7	B37	1MV17CS069	NITESH RAJU R	TRAFFIC RULES VIOLATION DETECTION USING ARTIFICIAL INTELLIGENCE AND DEEP LEARNING
		1MV17CS078	PRAJEETH S	
		1MV14CS015	AMOGH M K	
		1MV17CS065	NEERAJ VITHAL KAROSHI	
8	B38	1MV17CS126	AKSHAT JAIPURIA	GAN BASED SEMANTIC IMAGE TO PHOTO TRANSLATION
		1MV17CS127	SUNCHIT LAKHANPAL	
		1MV17CS101	SAURAV BANERJEE	
		1MV17CS102	SHAURYA PANDEY	
9	B39	1MV18CS403	BINDU S	FORECASTING METHOD OF STOCK MARKET VOLATILITY IN TIME SERIES DATA BASED ON MIXED MODEL OF ARIMA AND XGBOOST
		1MV18CS409	KAVYA Y	
		1MV18CS411	MAMATHA R	
10	B40	1MV17CS070	SURAJ REDDY P L G	DETECTION OF LUNG CANCER FROM CT SCAN IMAGES USING CNN
		1MV17CS123	SIVA KIREETI REDDY Y	
11	B41	1MV18CS402	AVINASH S B	REVIEW ON AIR QUALITY PREDICTION USING ARIMA & NEURAL NETWORK
		1MV17CS134	CHALUVARAJ M	
		1MV18CS416	RAJU H	
		1MV17CS060	N V DEVANAND	

Sir M. Visvesvaraya Institute of Technology
Krishnadevaraya Nagar, Hunasmarnahalli, Iternational Airport Road.
Bangalore-562157
DEPARTMENT OF COMPUTER SCIENCE

PROJECT EXIHIBITION 2020-21

The Department of Computer science had organized Project Exhibition for final year students on 10 July 2021. The students were divided into batches and allotted to different venue. Total 39 numbers of students (B1 to B10) were allotted to Venue NB 107 'A'.

Dr. Nalini Niranjan, Professor Department of CSE NMIT was invited for project exhibition as external jury and Dr. Suma Swamy as internal jury

Students had a time slot of 30 minutes to present their project.

The jury panel members were satisfied with the student's presentation and also selected 2 best projects.

Participation E- Certificate is issued to the all students.

Project coordinator
Dr.Sreenivasa B.C
Dr. Sushila Shidnal

Venue coordinator
Mrs. Mayuri K.P
Mrs. Kavyashree G.M

Head of Department
Dr. G.C Bhanuprakash

Sir M. Visvesvaraya Institute of Technology
Krishnadevaraya Nagar, Hunasmarnahalli, Iternational Airport Road.
Bangalore-562157
DEPARTMENT OF COMPUTER SCIENCE

PROJECT EXIHIBITION 2020-21

The Department of Computer science had organized Project Exhibition for final year students on 10 July 2021. The students were divided into batches and allotted to different venue. Total 37 numbers of students (B11 to B20) were allotted to Venue NB 107 'B'.

Dr. Ashok D.V, Professor Department of ISE JSSATE was invited for project exhibition as external jury and Dr.Sreenivasa B.C as internal jury.

Students had a time slot of 30 minutes to present their project.

The jury panel members were satisfied with the student's presentation and also selected 2 best projects.

Participation E- Certificate is issued to the all students.

Project coordinator
Dr.Sreenivasa B.C
Dr. Sushila Shidnal

Venue coordinator
Ms. Dhivya V
Mrs. Hema Priya B.C

Head of Department
Dr. G.C Bhanuprakash

Sir M. Visvesvaraya Institute of Technology
Krishnadevaraya Nagar, Hunasmarnahalli, Iternational Airport Road.
Bangalore-562157
DEPARTMENT OF COMPUTER SCIENCE

PROJECT EXIHIBITION 2020-21

The Department of Computer science had organized Project Exhibition for final year students on 10 July 2021. The students were divided into batches and allotted to different venue. Total 39 numbers of students (B21 to B30) were allotted to Venue NB 108.

Dr. Bharathi M, Associate Professor Department of CSE SJCIT was invited for project exhibition as external jury and Mrs. Rekha B.N as internal jury.

Students had a time slot of 30 minutes to present their project.

The jury panel members were satisfied with the student's presentation and also selected 2 best projects.

Participation E- Certificate is issued to the all students.

Project coordinator
Dr.Sreenivasa B.C
Dr. Sushila Shidnal

Venue coordinator
Mrs Mohamadi Ghousia Kousar
Mrs. Nethravathi T.L

Head of Department
Dr. G.C Bhanuprakash

Sir M. Visvesvaraya Institute of Technology

Krishnadevaraya Nagar, Hunasmarnahalli, Iternational Airport Road.

Bangalore-562157

DEPARTMENT OF COMPUTER SCIENCE

PROJECT EXIHIBITION 2020-21

The Department of Computer science had organized Project Exhibition for final year students on 10 July 2021. The students were divided into batches and allotted to different venue. Total 39 numbers of students (B31 to B41) were allotted to Venue NB 111.

Dr. Thriveni J, Professor Department of CSE UVCE was invited for project exhibition as external jury and Dr. Sushila Shidnal as internal jury.

Students had a time slot of 30 minutes to present their project.

The jury panel members were satisfied with the student's presentation and also selected 2 best projects.

Participation E- Certificate is issued to the all students.

Project coordinator
Dr.Sreenivasa B.C
Dr. Sushila Shidnal

Venue coordinator
Mrs. Savitha P
Ms. Charu Chauhan

Head of Department
Dr. G.C Bhanuprakash

SRI KRISHNADEVARAYA EDUCATIONAL TRUST

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

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Bengaluru - 562157, Karnataka

Final Year UG Project Exhibition 2021

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. ABHISHEK BHALOTIA

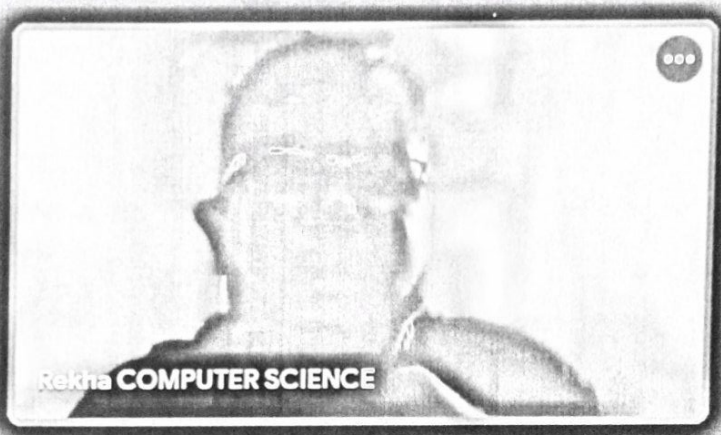
bearing the USN. 1MV17CS002 *has participated in the Final Year UG Project Exhibition 2021 held on 10-07-2021*

Dr. G. C. Bhanuprakash
CONVENOR

Dr. V. R. Manjunath
PRINCIPAL

REC

Bharathi Gowda



Rekha COMPUTER SCIENCE

Mohammadi Gousia COMPUTER SCIENCE

B

Bharathi Gowda

Manjunath N

S

Sreevathsa G

shreyas

32 others

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REC
Mithun Kumar A R is presenting
Microsoft account problem
We need to fix your Microsoft account (most likely your password changed). Select here to fix it in Shared experiences settings.
meet.google.com is sharing your screen.
Stop sharing
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Bharathi Gowda
Rekha COMPUTE...
Vaishnavi Korish...
Ajay Kumar N
30 others
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13

Outgoing Circular 29/7/21 011

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

BANGALORE

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

Ref.No: Dept. of CSE. /059/2021-22 Date: 29 -07-2021

The Principal,
Sir MVIT, Bengaluru-562157.

DEPT. OF COMPUTER SCIENCE & ENGG. 059 29/7/21

Respected Sir,

Subject: Project Exhibition -Reg.

The project Exhibitions was conducted on 10th July 2021 in four venues (NB107A,NB107B,NB108 and NB111). Following is the list of prize winners. I request you to issue prize amount as listed below.

Sl No	USN	NAME	Amount
1	1MV17CS002	ABHISHEK BHALOTIA	2000/-
2	1MV17CS077	PRAGATHI M I	2000/-
3	1MV17CS106	SOMYA	2000/-
4	1MV17CS129	UJWAL KUMAR	2000/-

Sl No	USN	NAME	Amount
1	1MV17CS059	PRATYUSH M	1000/-
2	1MV17CS006	AISHWARYA V	1000/-
3	1MV17CS066	NIDEEKSHA B K	1000/-
4	1MV17CS091	S AKSHAY	1000/-

This is for your kind information.

29/7/21

Dr. G.C.Bhanuprakash
Prof& Head.
Dept of Computer Science Engg,
Sir MVIT.

PROF & HEAD
DEPARTMENT OF COMPUTER SCIENCE & ENGG
Sir M. Visvesvaraya Institute of Technology
Bangalore-562157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Project Exhibition Report 2021

Project Co-ordinators: Dr. Sreenivasa B C , Dr. Sushila Shidnal

	Venue 1 NB - 107 'A'	Venue 2 NB - 107 'B'	Venue 3 NB - 108	Venue 4 NB - 111
External Judge	Dr. NALINI NIRANJAN	Dr. ASHOK D V	Dr. BHARATHI M	Dr. THRIVENI J
Internal Judge	Dr. SUMA SWAMY	Dr. SREENIVASA B C	Mrs. REKHA B N	Dr. SUSHILA SHIDNAL

Total Number of Students: 154 | **Total Number of Batches:41**

	Room No	Total Number of Studens	Total Number of Batches
Venue 1	NB - 107 'A'	39	10
Venue 2	NB - 107 'B'	37	10
Venue 3	NB - 108	39	10
Venue 4	NB - 111	39	11

Prize Winners	Venue 1 NB - 107 'A'			Venue 2 NB - 107 'B'			Venue 3 NB - 108			Venue 4 NB - 111		
	USN	NAME	TITLE	USN	NAME	TITLE	USN	NAME	TITLE	USN	NAME	TITLE
FIRST PRIZE	1MV17CS002	ABHISHEK BHALOTIA	EMOTINET- A FACIAL EXPRESSION RECOGNIZER	1MV17CS077	PRAGATHI M I	IMAGE COMPLETION AND IMAGE SUPER RESOLUTION USING GAN	1MV17CS106	SOMYA	SIGN LANGUAGE INTERPRETATION USING MACHINE LEARNING	1MV17CS129	UJWAL KUMAR	AI BASED SECURE EXAM PORTAL
	1MV17CS003	ADITYA RAJNEESH SINGH		1MV17CS079	PRAKRUTHI M		1MV17CS110	SRISHTI NEMA		1MV17CS064	NEELESH CHANDRA M	
	1MV17CS061	NAMAN SAXENA		1MV17CS076	POOJA S VEL		1MV17CS099	SARAH TARANUM K		1MV17CS117	UTKARSH TRIPATHI	
	1MV16CS039	KALYAN KUMAR		1MV17CS092	S KOMALA		1MV17CS128	PRATILIPI AICH		1MV17CS074	PIYUSH SHARMA	
SECOND PRIZE	1MV17CS059	PRATYUSH M	DETECTING DIABETIC RETINOPATHY	1MV17CS006	AISHWARYA V	MOTION DETECTION USING IOT AND EMBEDDED SYSTEMS FOR SURVEILLANCE	1MV17CS066	NIDEEKSHA B K	CYBERBULLYING DETECTION USING MACHINE LEARNING	1MV17CS091	S AKSHAY	BRAIN TUMOR CELLS DETECTION USING IMAGE PROCESSING
	1MV17CS054	VISHWESH		1MV17CS018	ASWIN GOPINATHAN		1MV17CS071	P SHREYA		1MV17CS093	SAMARTH S N	
	1MV17CS051	KSHITIJ DHAR		1MV17CS024	BHARATH CS		1MV17CS112	SUDHARANI REDDY P		1MV17CS096	SANDEEP K RAJU	
	1MV17CS026	BHAVIKA ARIGALA		1MV17CS033	DHEERAJ N BHAT					1MV17CS119	VINAY D	

SIR M VISVESVARAYA INSTITUTE OF TECHONOLGY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Year 2019-2020 Batch Project Published as Paper

SL. No	Name	Title of the Paper	Journal
1	Ayush Kapoor	Crop yield prediction: two-tried machine learning model approach	IJIT
2	Dharshan Raj NusrathBanu Pavithra S Sushma S	Survey on Alpha-Numeric Recognition using Machine Learning Techniques	IJARSET
3	Vishal V Tushar Sharma	Predicting Harmonic Centrality In Aodv For Wireless Sensor Networks Using Machine Learning	IJSTR
4	Marilyn V Xavier Nayonika Sen Nagarjun M SravanSai Kumar	Railway Ticket Verification using Face Recognition,	IRJET
5	Lavesh S P SreeLekha Naveen Kumar R Manoj T	Lung Cancer Detection and Life Expectancy Post Thoracic Surgery Using CNN and Supervised Machine Learning Algorithms	IRJET
6	Rupesh Mahal Vishwas M H ShivanshSinghal	Image-to-Recipe Translation using Multi-model Architecture	IRJET
7	Gautam R Akahay G J Dhavan R AmikaKumawat A	Speech Oriented Virtual Restaurant Clerk using Web Speech API and Natural Language Processing	IJERT
8	Pavithra S, Dharshan Raj , NusrathBanu S , Sushma S	Alpha-Numeric Recognition using Machine Learning Techniques	IJRASET
9	Sumanth Alva R*, Suprith K P, Vikas Kumar L P KyshanNeheeth	Applying Supervised Learning Technique To Diagnose Autism Spectrum Disorder (Asd)	IJRSR
10	Sumanth Alva R Suprith K P Vikas Kumar L P KyshanNeheeth	Literature Review On Applying Machine Learning Techniques To Diagnose Autism Spectrum Disorder (Asd)	IJCSE
11	Kruthi S Aditya Narayan, B S SmruthiShreeya Madhuvanthi R	Estimation of Available Parking Spots in Surveillance Scenes Based On Deep Convolutional Network	IRJET
12	Priyanka Swati T Chandana Reddy Varsha B U	Premonition of Terrorist Exertion Applying Supervised Machine Learning Proficiency	IJRASET

SL. No	Name	Title of the Paper	Journal
13	Adithya Natarajan BM Amitraj Cleva Vanessa Praneeth	Music Streaming Service with Audio Recognition and Steganography Features	IRJET
14	Satyam Raj SaiadityaGaryali Sanu Kumar	Image based Bird Species Identification using Convolutional Neural Network	IJERT
15	Nasir Basha K M G N S Suma, Kalasamudram M R Drithika	Plant The Future using Deep Learning	IJERT
16	ApoorvTikalkar Mukund Banka Vibhor Sharma Ankit Kumar Mandal	Automatic Detection Of Helmeted And Non-Helmeted Motorcyclist	IRJMETS
17	Dhanalakshmi S Harshitha S V Mukeshwarvarma	Food Classification And Calorie Estimation Using Computer Vision Techniques	IJETIR
18	Priyanshi Agrawal Sharmista Deb Shilpa A V Shirisha N Raju	Breast Cancer and Prostate Cancer Detection using Classification Algorithms	IJERT
19	AnukritiTripathi Anwar Nadaf Aditya Kumar	Identification Of the Stages of Chronic Kidney Disease Using Data Mining Approach	IRJMETS
20	Sharanya T Sucharith P UjwalKasturi Trisheeka Mahesh	Online Attendance using Facial Recognition, International Journal of Engineering Research & Technology	IJERT
21	Deepthi KumarArpitha K N Seema G Dona Sarkar	Predictive Analysis Of Depression Via Social Media Mining	IRJMETS
22	Pramod B N Yogeshwar Reddy Venkatesh Nyamagoudar	Accuracy Detection & Classification of Skin Disease Detection using Image Processing and Neural Network	IJRASET
23	Vivek Mishra Sathwik V H Lathesh S	Real-time Facial Expression Recognition using Convolutional Neural Networks	IJRASET
24	Abhishek Bhalotia, Aditya Rajneesh Singh	The CryptoMailer Using Keyword Cipher Algorithm	IJIRSET

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Vol. 6, Issue 12 , December 2019

Survey on Alpha-Numeric Recognition using Machine Learning Techniques

Supriya H.S, Dharshan Raj, Nusrath Banu S, Pavithra S, Sushma S

Assistant Professor, Department of Computer Science& Engineering, Sir M. Visvesvaraya Institute of Technology, Bangalore,India

Student, Department of Computer Science & Engineering, Sir M.Visvesvaraya Institute of Technology, Bangalore,India

Student, Department of Computer Science & Engineering, Sir M.Visvesvaraya Institute of Technology, Bangalore,India

Student, Department of Computer Science & Engineering, Sir M.Visvesvaraya Institute of Technology, Bangalore,India

Student, Department of Computer Science & Engineering, Sir M.Visvesvaraya Institute of Technology, Bangalore,India

ABSTRACT:The present interest of digitization of content and original copies requires a quick arrangement so they can be gotten to electronically. While in content to discourse, there happens different frameworks which convert ordinary language produced content into discourse, subsequently empowers the client to recognize them. The proposed framework expects to contemplate picture acknowledgment innovation (Alpha-Numeric Recognition) with content to discourse transformation innovation and to build up a financially savvy easy to use framework. In this framework we have attempted to cause a framework by which we to can get the content through filtered picture and afterward that content is changed over to discourse. Straightforward Arithmetic activity are performed dependent on the tasks notice in the checked picture.

KEY WORDS: Optical character recognition, Convolutional neural network, Text-to-speech, Artificial neural network.

I.INTRODUCTION

After the coming of computerized PCs, fusing human capacities to PCs has been an intriguing and energizing exploration field. For over years, people have been considering machines with the capacity to peruse and decipher printed literary archives, with the goal that they can be naturally changed over into a substitute medium or organization effective calculations have been grown up until now in order to empower the machines to perceive characters. Such a framework is named as Optical Character Recognition. This is a framework created for getting character-based documents from digitized pictures of printed or typewritten records and additionally written by hand original copies. Digitizing is finished by utilizing flatbed scanners or computerized cameras. It is in this manner a procedure of visual acknowledgment, which changes over content records into editable or accessible content.

II.RELATED SURVEY

An Optical character recognition (OCR) model is been introduced that utilizations neural Network (NN) for both the checked furthermore, written by hand characters which has a demonstrated to be an proficient one. This uses different calculations which are very much novel in their own. Subsequently this model executes different propelled systems for the discovery of characters furthermore, along these lines study the conduct of different calculations. Optical character acknowledgment is a procedure of distinguishing, portioning also, perceiving different characters from their particular content or on the other hand picture. This could be particularly utilized for the chronicled compositions or any more seasoned reports. The acknowledgment framework first produces the record, at that point digitalizes it lastly put away in the framework. Different externa factors should be kept at the top of the priority list that it doesn't upsets the framework. The exactness of HCR is been pushed up to 90 percent because of tremendous changes in the shape, size, scale and direction. Different inquires about are likewise accomplished for the Arabic dialects where the perusing

CodeScan: A Supervised Machine Learning Approach to Open Source Code Bot Detection

Vipul Gaurav, Shresth Singh, Avikant Srivastava, and Sushila Shidnal

Abstract Enhancing software productivity would help companies to cut their costs and increase profits. Software metrics rely heavily on the personal experiences and skills of managers in pattern recognition and rewards. Differentiating between actual human effort and machine-generated code can help drive an organization's decision-making process that is rewarding its employees and provide an assistive tool to the managers allowing effective monitoring without micromanagement that has a wide application in managing work from home and other virtual environments. The paper explores the insight into the quality of machine-generated bot code compared to actual human coding efforts. It uses machine learning techniques to identify patterns and gives intelligent insights that can be used as a performance metric for versioning systems and business intelligence. We successfully distinguished between a bot and human-written code with an F1-score of 0.945 using the Light Gradient Boosting Method.

Keywords Software productivity · Machine learning · Business intelligence · Software metrics · Versioning systems · Light gradient boosting

1 Introduction

Programming productivity has been an extensive subject of study for software engineers and product managers. Collaboration through versioning systems has become essential in modern software development. They come with their own set of new challenges, including machine-generated bot code, which led to code quality issues and caused memory complexity problems. The machine-generated code can replicate the human coding efforts to a certain degree. Still, many a time creates merge conflicts, and some developers use them to increase their contribution to the project, which can lead to incorrectly rewarding the developer who did not contribute as

V. Gaurav (✉) · S. Singh · A. Srivastava · S. Shidnal
Sir MVIT, Bengaluru, India

S. Shidnal
e-mail: sushila_cs@sirmvit.edu

B. Iyer et al. (eds.), *Applied Information Processing Systems*, Advances in Intelligent Systems and Computing 1354, https://doi.org/10.1007/978-981-16-2008-9_37

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

12/07/2021

To

Mrs.Poongothai C,

Assistant Professor,

Department of ECE

Sir MVIT, Bengaluru

Dear Madam,

Sub: Project Exhibition coordinator allotment letter- reg.

This is to inform you, that further to the discussion we had, you have been allotted as Coordinator for Project exhibition-cum-competition for the final year students.

Head of the Department

Department of ECE
Sir M. Visvesvaraya Institute of Technology
Bengaluru 562 157

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Rubrics: Project Evaluation

Maximum Marks: 30

Level of Achievement				
Description	**Marks**	**Excellent (100%)**	**Good (80%)**	**Average (60%)**
Identification of Problem Domain and Detailed analysis of Feasibility and Objectives of the project Design Methodology	**10**	Detailed and extensive explanation of the purpose and specifications of the project Appropriate design methodology properly justified.	Good explanation of the purpose and need of the project Design methodology not properly justified	Average explanation of the purpose and need of the project; Design methodology not defined properly
Explanation of the Concepts and Technical Details	**10**	Complete explanation of the key concepts and strong description of the technical requirements of the project.	Incomplete explanation of the key concepts and in-sufficient description of the technical requirements of the project	Inappropriate explanation of the key concepts and poor description of the technical requirements of the project
Quality of answers	**10**	Student has competent knowledge and is at ease with information. Can answer the questions.	Student is uncomfortable with information. Seems novice and can answer basic questions only.	Student has no or very less knowledge of both problem and solution. Cannot answer questions

Head of the Department

Department of ECE
Sir M. Visvesvaraya Institute of Technology
Bengaluru 562 157

	SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BANGALORE	RECORD FORMATS (ISO 9001:2008)
	R/PP08/25	UG Project List ECE 2020-2021

Sl.No	USN	Name of the student	Title of the Project	Name of the Guide
01	1MV16EC125	Zuhaib Ahmed	Crime Scene Detection and Alerting Using Deep Neural Network and Embedded System	Dr. Supriya V G
	1MV16EC052	Kishore S		
	1MV16EC041	Golla Vishnu sai		
	1MV15EC125	Vrishab.M.W		
02	1MV17EC074	Prajwal C	ALIAS Drone	Mrs. Manjuvani
	1MV17EC086	Rishabh Raj		
	1MV17EC093	Sahil Nain		
	1MV17EC104	Spriha Jha		
03	1MV17EC056	Kushagra Nachiketa	Interactive SMART MIRROR for Home Automation	Mrs. Vani B P
	1MV17EC029	Chetan. S		
	1MV17EC063	Monish B V		
	1MV17EC061	Mehul Jain		
04	1MV17EC084	Ramya C	A smart women protection system using IOT	Dr. Sasmitha Mohapatra
	1MV17EC092	Sahana N G		
	1MV17EC122	Yashaswini S		
	1MV18EC420	Savithri V		
05	1MV17EC005	Abinand D	Autonomous Driving of Vehicle using Digital Image Processing.	Mr. Natraj R
	1MV17EC010	Ansari Md Abdul Umair		
	1MV17EC034	Deepak M		
	1MV17EC059	Maaz Ahmed		

Prepared by: Ms.Poongothai C & Ms.Swetha L
Signature:
Designation: Assistant Professor

Approved by: Dr. R. Sundaraguru
Signature:
Designation: Professor and Head

	SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BANGALORE	RECORD FORMATS (ISO 9001:2008)
	R/PP08/25	UG Project List ECE 2020-2021

Sl.No	USN	Name of the student	Title of the Project	Name of the Guide
06	1MV17EC066	Neeladri Nandi	Real time vehicle tracking and locking system using gsm and gps technology.	Mrs. Vijayalakshmi S
	1MV17EC069	Niteesh Kumar S		
	1MV17EC077	Prateek Kumar Tiwari		
	1MV17EC112	Suryansh Kumar		
07	1MV17EC079	Praveen Hegde	Performance analysis and Mitigation of atmospheric turbulence in wireless optical communication	Mrs. Vijayashree B
	1MV17EC095	Sankarshan M		
	1MV17EC108	Suhas PN		
	1MV17EC109	Sumukh Nagnath Sastry		
08	1MV17EC100	Shreeya Tiwari	Wireless Wearable soldier security system using embedded system	Mrs. Swetha L
	1MV17EC101	Shreshta S		
	1MV17EC102	Shreya S		
	1MV17EC068	Nikitha P R		
09	1MV17EC111	Supreeth S Sathish	Safety and position monitoring system of underwater workers using Li-Fi technology.	Mrs. Poongothai C
	1MV17EC113	Sushmalakshmi V		
	1MV17EC115	Tanya		
	1MV17EC117	Trupthi V Shetty		
10	1MV17EC021	Basavaraj Badaradinni	Multipurpose agri-tech Drone	Mrs. Sheetal B
	1MV17EC032	D Sai Hithesh		
	1MV17EC058	M Nishanth		
	1MV18EC407	Karthik M S		

Prepared by: Ms.Poongothai C & Ms.Swetha L
Signature:
Designation: Assistant Professor

Approved by: Dr. R. Sundaraguru
Signature:
Designation: Professor and Head

	SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BANGALORE	RECORD FORMATS (ISO 9001:2008)
	R/PP08/25	UG Project List ECE 2020-2021

Sl.No	USN	Name of the student	Title of the Project	Name of the Guide
11	1MV17EC067	Nihal Pai T	Mind wave based control of robot and home appliances.	Mrs. Praveena N
	1MV17EC080	Pruthvi		
	1MV17EC082	Pujaa K		
	1MV17EC088	Rohan Sai Reddy Palanchi		
12	1MV17EC081	Puchaginjala Yaswanth kumar	Gesture encoding scheme for impaired	Dr. R.Sundaraguru
	1MV17EC105	Srinivasa prasad		
	1MV17EC116	Taraka Indraneel Divvela		
	1MV18EC410	Mahendra		
13	1MV17EC083	Rahul Kumar	Automated detection of Acute Lymphoblastic Leukemia.	Mr. Satish Kumar
	1MV17EC099	Shivam Yadav		
	1MV17EC103	Sneha singh		
	1MV17EC098	Shalini S Pattar		
14	1MV17EC025	Binit kumar jha	Soldier tracking and health monitoring systems	Mr. Naveen I G
	1MV17EC018	Ayush Dubey		
	1MV17EC012	Apoorv Ranjan		
	1MV17EC040	Gyan Prakash		
15	1MV15EC021	Ashish Kumar Sanjay	A hazard-zone detection system based on intra-vehicular sensor networks.	Mrs. Anusha
	1MV15EC047	Joshua Shalom		

Prepared by: Ms.Poongothai C & Ms.Swetha L Signature: Designation: Assistant Professor	Approved by: Dr. R. Sundaraguru Signature: Designation: Professor and Head

	SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BANGALORE	RECORD FORMATS (ISO 9001:2008)
	R/PP08/25	UG Project List ECE 2020-2021

Sl.No	USN	Name of the student	Title of the Project	Name of the Guide
16	1MV17EC075	Pranav Chaturvedi	Rescue Drone/UAV	Dr. R.Sundaraguru
	1MV17EC007	Aman Mathur		
	1MV17EC002	Abbas Ali Burhanuddin Taxi		
	1MV16EC100	Sathwik Krishnamurthy		
17	1MV17EC087	Rohan S Nazare	Robotic ARM	Mrs. Rajeswari K N
	1MV17EC085	Raphel Rozario		
	1MV17EC065	Naveen Krishna D		
	1MV17EC076	Pranjal Paritosh		
18	1MV17EC043	Sai Chakradhar I	Emergency vehicle detection in traffic	Mr. Natraj R
	1MV17EC053	Krathi Todalbagi		
	1MV17EC055	Krithika J		
	1MV17EC008	A Krishna Murthy		
19	1MV17EC001	A P Deepak	Li-Fi Based Position Monitoring system	Mrs. Shalini P
	1MV17EC013	Ashik Jacob Joseph		
	1MV17EC039	Giridhar D S		
	1MV17EC047	Joel M Jacob		
20	1MV18EC403	Devaraju. V	Object recognition system to assist deaf dumb and blind.	Mr. Naveen I G
	1MV18EC408	Lokes Reddy		
	1MV18EC406	Guruprasad G		
	1MV18EC422	Theerthesha NH		

Prepared by: Ms.Poongothai C & Ms.Swetha L
Signature:
Designation: Assistant Professor

Approved by: Dr. R. Sundaraguru
Signature:
Designation: Professor and Head

	SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BANGALORE	RECORD FORMATS (ISO 9001:2008)
	R/PP08/25	UG Project List ECE 2020-2021

Sl.No	USN	Name of the student	Title of the Project	Name of the Guide
21	1MV17EC090	S.Vikram Raj	Voice Controlled Smart Intelligent Andromeda	Mr. Phanindar Ravi
	1MV17EC022	Basavesh M.P.		
	1MV17EC030	Chethan Kumar Purad		
	1MV18EC402	Darshan.S		
22	1MV17EC004	Abhisharan S	IoT-based Smart Glove Interpreter for the Differently Abled	Mr. Shashibhushan G
	1MV17EC006	Alwyn Joseph Alex		
	1MV18EC404	Dhanush N.M.		
	1MV17EC042	Hrishab Aswal		
23	1MV18EC412	Mamatha.A	ultra violet sterilization robot for disinfection	Dr.Supriya V G
	1MV18EC413	Mohammad Raiyan Sab		
	1MV18EC415	Nayana.D.B		
	1MV18EC416	Niranjan.K.U		
24	1MV18EC400	Bhargavi.B	IOT based electronic toll collection system	Mrs. Seema S
	1MV17EC035	Deepthi.K.B		
	1MV17EC041	Harshitha.V		
	1MV17EC054	Krishnaveni		
25	1MV16EC058	Manasa SN	IOT based Smart Parking System using website reservation	Mrs. Bhuvaneswari
	1MV17EC014	Ashika P R		
	1MV17EC026	Bonam Sreeja		

Prepared by: Ms.Poongothai C & Ms.Swetha L Signature: Designation: Assistant Professor	Approved by: Dr. R. Sundaraguru Signature: Designation: Professor and Head

	SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BANGALORE	RECORD FORMATS (ISO 9001:2008)
	R/PP08/25	UG Project List ECE 2020-2021

Sl.No	USN	Name of the student	Title of the Project	Name of the Guide
26	1MV17EC120	Veekshith V	Solar powered atmospheric water generator	Mr. Satish Kumar
	1MV18EC411	Mahima B S		
	1MV18EC417	Priyanka Vegas		
	1MV18EC418	Sandeep N M		
27	1MV17EC050	K Nikhileswar	Hand gesture controlled car and robotic arm	Mrs. Krishnapriya Sharma
	1MV17EC028	CH V Sai Arun Kumar Reddy		
	1MV17EC016	Ashwini Kumar		
	1MV17EC044	J Hariram Srinivas		
28	1MV16EC066	Narayana Sai Manish	Designing of area efficient s-box for AES Application	Mrs. Vijayalakshmi S
	1MV16EC134	Harshith S		
	1MV16EC424	Tejaswini R		
	1MV17EC402	Basalingappa		
29	1MV17EC072	Pallavi R M	Automated land area estimation for surveying applications	Mrs. Shalini P
	1MV17EC094	Sammed Ghougale		
	1MV17EC114	Sushmitha H P		
	1MV17EC121	Vinayak Pampannanavar		
30	1MV17EC009	Ankitha C	Design of parabolic solar dish tracking system	Mr. Shashibhushan G
	1MV17EC023	Bavitra Sruthi S		
	1MV17EC051	Kaushik Kumar		
	1MV17EC057	Likita L Goveas		

Prepared by: Ms.Poongothai C & Ms.Swetha L
Signature:
Designation: Assistant Professor

Approved by: Dr. R. Sundaraguru
Signature:
Designation: Professor and Head

	SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BANGALORE	RECORD FORMATS (ISO 9001:2008)
	R/PP08/25	UG Project List ECE 2020-2021

Sl.No	USN	Name of the student	Title of the Project	Name of the Guide
31	1MV17EC033	Deekshitha K V	Smart Access Novel Based Security System	Dr. R.Sundaraguru
	1MV17EC038	Gauthami Arun		
	1MV17EC052	Keerthana T M		
32	1MV17EC031	Darshan Ullas K	Iot based Soil moisture and nutrient monitoring decision system	Mrs. Krishnapriya Sharma
	1MV17EC036	Dhananjaya B R		
	1MV17EC045	Jashwanth K S		
	1MV17EC046	Jayanth M B		
33	1MV17EC015	Ashish Tiwari	IOT Based Real-Time River Water Quality Monitoring System For Industrial WasteWater	Dr. Sasmitha Mohapatra
	1MV17EC017	Atul Amrit Anshu		
	1MV17EC073	Pradeepto Das		
	1MV17EC091	Sachin Giri		

Prepared by: Ms.Poongothai C & Ms.Swetha L Signature: Designation: Assistant Professor	Approved by: Dr. R. Sundaraguru Signature: Designation: Professor and Head

SRI KRISHNADEVARAYA EDUCATIONAL TRUST

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC)

Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru – 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Funds Details

Sl. no	USN	Name of the students	Internal guide	Title of the Paper	Month & Year	Sponsoring Agency	Sanctioned Amount
1.	1MV17EC084	Ramya C	Dr.Sasmita Mohapatra	A smart women protection system using IOT	2021	VTU	Rs.5000
	1MV17EC092	Sahana N G					
	1MV17EC122	Yashaswini S					
	1MV18EC420	Savithri V					
2.	1MV17EC075	Pranav Chaturvedi	Dr. R.Sundaraguru	Rescue Drone/UAV	2021	VTU	Rs.5000
	1MV17EC007	Aman Mathur					
	1MV17EC002	Abbas Ali Burhanuddin Taxi					

Head of the Department

Department of ECE
Sir M. Visvesvaraya Institute of Technology
Bengaluru 562 157

Journal / Conference Publication Details

Sl. no	USN	Name of the students	Internal guide	Title of the Paper	Journal/Conference details	Month & Year
1.	1MV17EC084	Ramya C	Dr.Sasmita Mohapatra	A smart women protection system using IOT	https://doi.org/10.1007/978-981-16-6460-1_35 Publisher name:Springer, Singapore Print ISSN978-981-16-6459-5	2021
	1MV17EC092	Sahana N G				
	1MV17EC122	Yashaswini S				
	1MV18EC420	Savithri V				
2.	1MV17EC015	Ashish Tiwari	Dr.Sasmita Mohapatra	Real-time water quality monitoring system using IoT For various applications	Journal of chengdu university of technologyVolume 26 Issn no:1671-9727Issue 7 2021	2021
	1MV17EC017	Atul Amrit Anshu				
	1MV17EC073	Pradeepto Das				
	1MV17EC091	Sachin Giri				

Head of the Department

Department of ECE
Sir M. Visvesvaraya Institute of Technology
Bengaluru 562 157

Real-Time Water Quality Monitoring System Using IOT For Various Applications

Dr. Sasmita Mohaptra[1*], Atul Amritanshu[2], Ashish Tiwari[3], Sachin Giri[4], Pradeepto Das[5]

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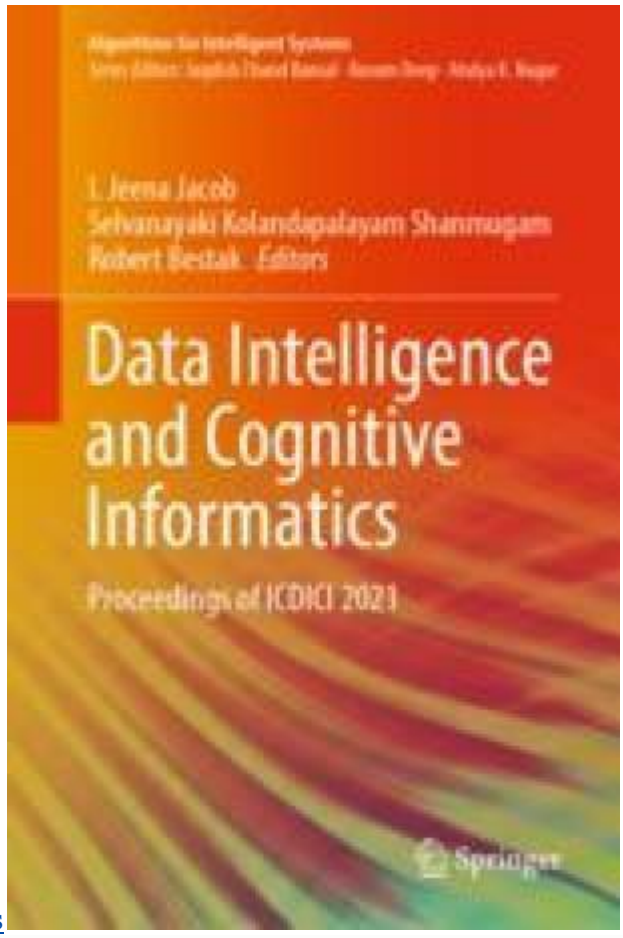
Abstract**—***The requirement for water utilization isn't just for people but in addition for the other living things as normal supporting components for congruity of life. Water utilization relies upon the accessibility of water assets like waterways, lakes, and supplies. Since water becomes restricted regular asset generally due to water contamination. It is important to oversee water quality to satisfy the maintainability of water as regular asset. This paper addresses an IoT (Internet of things) based continuous water quality observing framework that helps in effective estimation of condition of water dependent on four actual criteria i.e., temperature, pH, electric conductivity and turbidity properties. Multiple sensors are associated with Arduino in distinct manner to distinguish the water boundaries. This paper makes a coordinated framework dependent on Internet of Things*



Data Intelligence and Cognitive Informatics
Data Intelligence and Cognitive Informatics pp 459-465| Cite as

A Smart Women Protection System Using IOT

- Authors
- Authors and affiliations
- Sasmita Mohapatra
- C. Ramya

- N. G. Sahana
- V. Savithri
- S. Yashaswini

1 1.

Conference paper
First Online: 01 January 2022

Part of the Algorithms for Intelligent Systems book series (AIS)

Abstract

A self-defense system is planned particularly for ladies to shield themselves from present-day actual provocations and abusements. At any crisis circumstance, women get panicked and will most likely be unable to work their mobile phone applications and can't quickly shield the assailant and safeguard themselves. The proposed framework can be valuable for ladies for security reason. When an emergency situation is sensed by a woman, the button is pressed and the location will be sent to the predefined number. At the same time, a live video is streamed, the buzzer acts as an alarm and alerts the nearby people by making loud noises, and a shock module is used for self-defense.

Keywords

GPS ESP32 eye IOT Sensors Shock module Buzzer

References

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- Reprints and Permissions

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
HUNASAMARANAHALLI, BENGALURU-562157

Department of Electronics & Communication Engineering

PROJECT EXHIBITION - 2021

All the final year ECE students are hereby informed to present their Projects in the **"Project Exhibition -2021"** organized by the Department of ECE on August 2nd, 2021 at 10:00 AM. The students are instructed to preferably come with the working model of the Project & is mandatory for all the Project batches to present their work to the External Jury members & respective Project Guides. Best of the projects will be awarded with cash prizes.

Necessary SOP will be followed during the Exhibition.

Venue 1: Batch No: 1-17

Venue 2: Batch No: 18-33

***** Soft copy of the Project report & PPT to be written in a CD and submitted to concerned guides on the day of Exhibition without fail.***

Project Coordinators:
Pongoothai C
Swetha L

HOD 23/07/2021

Head of the Department
Electronics & Communications Engineering
Sir M VIT Bangalore 562 157

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

Hunasamaranahalli, Bengaluru-562157

Department of Electronics & Communication Engineering

Project Exhibition 2021 Report

In VTU curriculum 8th semester students have to carry out and implement project and submit the dissertation at the end of the semester. The purpose of this project is to apply the knowledge that the students have gained during 1st to 7th semesters and learn new things and implement their known skills in practical.

In Sir MVIT, every year all the branches organize the project exhibition. The main aim of this is to encourage students to show case their innovation and problem solving techniques and creativity.

The project exhibition was organized on 02/08/2021 by the following Department faculty coordinators:

1. Mrs. Poongothai C, Assistant Professor/ECE
2. Mrs. Swetha L, Assistant Professor/ECE

The exhibition started with inauguration in Analog Electronics Lab with Judges as the Chief Guest of the day at 9.30 a.m. Mr Phanindar Ravi, Asst Professor, Dept. of ECE welcomed the gathering and introduced the chief guests.

In ECE department students exhibited their projects at two venues, Analog Electronics Lab and Digital Electronics Lab. Totally 33 batches of student projects were exhibited. The students have carried out the project in diverse fields like Embedded design, Communication, Networking, Signal processing, Image processing, VLSI, Robotics, Wireless sensors, IoT, etc. Each project is innovative and unique in its own way.

At Venue 1, Analog Electronics Lab, the judges were,

1. External: Dr.Umesharaddy, Assistant Professor, Department of ETE, MSRIT, Bengaluru.
2. Internal: Dr. Supriya V G Professor, Department of ECE, Sir MVIT

At Venue 2, Digital Electronics Lab, the judges were,

1. External: Dr Rudrakant Sollapur, Postdoctoral Fellow, Friedrich Schiller University Jena
2. Internal: Dr. Sasmita Mohapatra, Associate Professor, Department of ECE Sir MVIT

At each venue 17 projects were exhibited.

Venue 1: 1st Prize

Project titled **"Interactive SMART MIRROR for Home Automation "** was judged as the best project and bagged first prize of Rs.3000/-. This project is carried out by Kushagra Nachiketa, Chetan. S, Monish B V & Mehul Jain

Venue 1: 2nd Prize

Project titled **"Autonomous Driving of Vehicle using Digital Image Processing"** was given second prize of Rs.2000/-. This project is done by Abinand D,Ansari Md Abdul Umair, Deepak M, Maaz Ahmed.

Venue 1: 3rd Prize

Project titled **"ALIAS Drone"** was given third prize of Rs. 1000/-. This project is carried out by Prajwal C, Rishabh Raj, Sahil Nain, Spriha Jha

Venue 2: (1st Prize)

Project titled **"Solar powered atmospheric water generator"** was judged as the best project and bagged first prize of Rs.3000/-. This project is carried out by Veekshith V,Mahima B S,Priyanka Vegas, Sandeep N M.

Venue 2: (2nd Prize)

Project titled **"Ultra violet sterilization robot for disinfection"** was given second prize of Rs.2000/-. This project is done by Mamatha.A, Mohammad Raiyan Sab, Nayana.D.B, Niranjan.K.U

Venue 2: (3rd Prize)

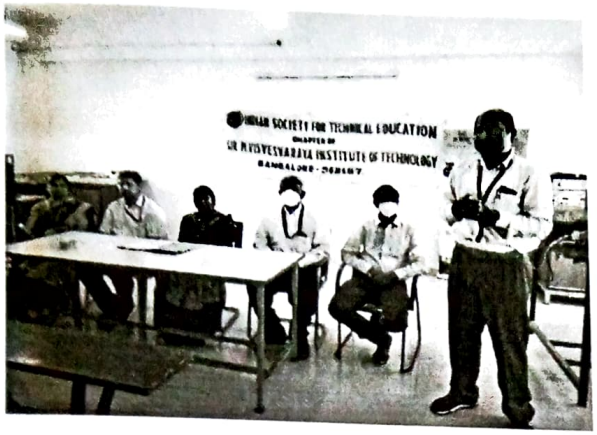
Project titled **"Li-Fi Based Position Monitoring system"** was given third prize of Rs.1000/- This project is carried out by A P Deepak, Ashik Jacob Joseph, Giridhar D S, Joel M Jacob.

All the awarded projects were real time oriented and have societal value.

Apart from these projects, few other projects were also considered good by the judges.

Dr. R Sundaraguru, Head of the Department, distributed the certificates for the winners of both the venues. Honorarium and letter of appreciation were also given to the external judges.

Project exhibition ended with vote of thanks by Ms. Poongothai C, Assistant Professor, ECE department.



DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Sir M Visvesvaraya Institute of Technology, Bengaluru-562157

Department of Electrical & Electronics Engineering

18.07.2018
Bengaluru

To

Mr. R. Sivapriyan
Associate Professor
Department of Electrical and Electronics Engineering
Sir MVIT
Bengaluru-562157

Respected Sir,

Subject: Project Coordinator & Project Exhibition Coordinator allotment letter - reg.

This is to inform you , that further to the discussion we had, you have been allotted as Project Coordinator as well as the c Project Exhibition coordinator for final year students of Electrical and Electronics department.

Thanking You

Yours Sincerely

Dr H L Suresh
Prof & Head

PROF. & HEAD
DEPT. OF ELECTRICAL & ELECTRONICS ENGG.
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunasamaranahalli
(Via) Yelahanka, Bengaluru - 562 157

27-072020

Department of Electrical and Electronics Engineering,
Sir MVIT – Bangalore – 562 157

Circular

Final year (AY: 2020-2021) students are informed to form project group consisting of four students per batch. It is compulsory, that each group should consist of exactly four members. The project group can be formed from the students of A&B section. The last date to register the batch is 31.07.2020. The approved final list will be displayed on 01.08.2020. The registration can be done by using this URL:

https://docs.google.com/forms/d/1u0QCmmmgJlKQOkbPauyoT5HbEgGGpy0XkmH1FiJ0lnM/edit

For more information, contact the project coordinator by email: sivapriyan@gmail.com

R. Sivapriyan, 27/07/20

Project Co-ordinator

Prof & HoD 27/7/2020

EEE

PROF. & HEAD
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Department of Electrical and Electronics Engineering,
Sir M. Visvesvaraya Institute of Technology, Bangalore – 562 157

RUBRICS FOR 8TH SEMESTER B.E PROJECT EVALUATION

Rubrics Review

Review #	Agenda	Assessment	Review Assessment Weightage	Over all Weightage
Review 1	Project Synopsis / Proposal Evaluation	Rubric R1	10	100% (100)
Review 2	Mid-Term Project Evaluation	Rubric R2	20	
Review 3	End Semester Internal Project Evaluation	Rubric R3	20	
Review 4	Project Report Evaluation	Rubric R4	50	

Rubric #R1: Project Synopsis/Proposal Evaluation

Maximum Marks*: 10

Level of Achievement						
		Excellent (10)	**Good (8)**	**Average (6)**	**Poor (4)**	**Score**
a	**Identification of Problem Domain and Detailed analysis of Feasibility, Objectives and Methodology of Project Proposal**	• Detailed and extensive explanation of the purpose and need of the project • Detailed and extensive explanation of the specifications and the limitations of the existing systems • All objectives of the proposed work are well defined; Steps to be followed to solve the defined problem are clearly specified	• Good explanation of the purpose and need of the project • Collects a great deal of information and good study of the existing systems; • Good justification to the objectives; Methodology to be followed is specified but detailing is not done	• Average explanation of the purpose and need of the project; • Moderate study of the existing systems; collects some basic information • Incomplete justification to the objectives proposed; Steps are mentioned but unclear; without justification to objectives	• Moderate explanation of the purpose and need of the project • Explanation of the specifications and the limitations of the existing systems not very satisfactory; limited information • Only Some objectives of the proposed work are well defined; Steps to be followed to solve the defined problem are not specified properly	

Rubric #R2: Mid-term Project Evaluation

Maximum Marks*: 20

		Level of Achievement				
		Excellent (5)	**Good (4)**	**Average (3)**	**Poor (2)**	**Score**
a	**Design Methodology**	• Division of problem into modules and good selection of computing framework • Appropriate design methodology and properly justification	• Division of problem into modules and good selection of computing framework • Design methodology not properly justified	• Division of problem into modules but inappropriate selection of computing framework • Design methodology not defined properly	• Partial division of problem into modules and inappropriate selection of computing framework • Design methodology not defined properly	
b	**Planning of Project Work**	• Time frame properly specified and being followed	• Time frame properly specified but being followed partly	• Time frame properly specified, but not being followed	• Time frame not properly specified	
c	**Demonstration**	• Objectives achieved as per time frame • Proper eye contact with audience and clear voice with good spoken language	• Objectives achieved as per time frame • Satisfactory demonstration, clear voice with good spoken language but eye contact not proper	• Objectives achieved as per time frame • Eye contact with few people and unclear voice	• Objectives not achieved as per time frame • Demonstration not satisfactory	
d	**Presentation**	• Contents of presentations are appropriate and well arranged	Contents of presentations are appropriate but not well arranged	• Contents of presentations are appropriate but not well arranged	• Contents of presentations are not appropriate	

Rubric #R3: End Semester Internal Project Evaluation

Maximum Marks*: 20

		Level of Achievement				
		Excellent (10)	**Good (8)**	**Average (6)**	**Poor (4)**	**Score**
a	**Incorporation of Suggestions**	Changes are made as per modifications suggested during mid term evaluation and new innovations added	Changes are made as per modifications suggested during mid term evaluation and good justification	All major changes are made as per modifications suggested during mid term evaluation	Suggestions during mid term evaluation are not incorporated	
b	**Project Demonstration**	• All defined objectives are achieved • Each module working well and properly demonstrated • All modules of project are well integrated and system working is accurate	• All defined objectives are achieved • Each module working well and properly demonstrated • Integration of all modules not done and system working is not very satisfactory	• All defined objectives are achieved • Modules are working well in isolation and properly demonstrated • Modules of project are not properly integrated	• Only some of the defined objectives are achieved • Modules are not in proper working form that further leads to failure of integrated system	
c	**Presentation**	• Contents of presentations are appropriate and well delivered	• Contents of presentations are appropriate and well delivered	• Contents of presentations are appropriate but not well delivered	• Contents of presentations are not appropriate and not well delivered	
d	**Communication**	• Proper eye contact with audience and clear voice with good spoken language	• Clear voice with good spoken language but less eye contact with audience	• Eye contact with only few people and unclear voice	• Poor eye contact with audience and unclear voice	

Rubric #R4: Project Report Evaluation

Maximum Marks*: 50

		Level of Achievement				
		Excellent (10)	**Good (8)**	**Average (6)**	**Poor (4)**	**Score**
a	**Project Report**	• Project report is according to the specified format	• Project report is according to the specified format	• Project report is according to the specified format but some mistakes	• Project report not prepared according to the specified format	
b	**Description of Concepts and Technical Details**	• Complete explanation of the key concepts and strong description of the technical requirements of the project	• Complete explanation of the key concepts but in-sufficient description of the technical requirements of the project	• Incomplete explanation of the key concepts and in-sufficient description of the technical requirements of the project	• Inappropriate explanation of the key concepts and poor description of the technical requirements of the project	
c	**Conclusion and Discussion**	• Results are presented in very appropriate manner • Project work is well summarized and concluded	• Results are presented in good manner • Project work summary and conclusion not very appropriate	• Results presented are not much satisfactory • Project work summary and conclusion not very appropriate	• Results are not presented properly • Project work is not summarized and concluded	
d	**Future extension**	• Future extensions in the project are well specified	• Future extensions in the project are specified	• Future extensions in the project are not specified	• Future extensions in the project are not specified	
e	**Reference**	• References and citations are appropriate and well mentioned	• References and citations are appropriate but not mentioned well	• some mistakes • In-sufficient references and citations	• References and citations are not appropriate	

Assessment

Category/ Dimensions	4 (Exceeds Standards)	3 (Meets Standards)	2 (Partially Meets Standards)	1 (Does Not Meet Standards)	*Points*
Problem Statement	Problem statement shows full understanding of the problem and clearly includes final design deliverables	Problem statement shows some understanding of the problem and includes most of the final design deliverables	Problem statement shows little understanding of the problem and few design deliverables are included	No problem statement and no design deliverables.	
Procedure	Clear definition of solution, procedure and methods. Different alternatives are considered and evaluated.	Solution procedure and methods are not always clearly defined. Few alternative designs are evaluated.	Outlines a general procedure but does not clearly identify methods. No alternative designs are given.	No procedure, tries things out unsystematically	
Final Design	Final design demonstrates effective use of design process, engineering standards, economics to satisfy design objectives and real-word constraints	Final design demonstrates some use of design process, engineering standards, economics to satisfy some design objectives and real-word constraints	Final design demonstrates little use of design process, engineering standards, economics to satisfy few design objectives and real-word constraints	Final design does not demonstrate the use of any design process, engineering standards, economics to satisfy any design objectives and real-word constraints	

Sl.No	USN	Student Name	Group no. With Guide
1	1MV17EE011	Ankur Mahur	G1 - MSS
2	1MV17EE014	Arun Kumar	
3	1MV17EE017	Ayush Kashyap	
4	1MV17EE034	Keshav Bharti	
5	1MV17EE054	Pavan Kumar N	G2 - RSP
6	1MV17EE055	Pavan Ph	
7	1MV17EE056	Pavankumar H	
8	1MV17EE057	Pramath Ganapati Bhat	
9	1MV17EE005	Aman Prashar	G3 - JBB
10	1MV17EE009	Aniket Kumar	
11	1MV17EE016	Avinash Singh	
12	1MV17EE076	Soumyajeet Guha	
13	1MV17EE002	Abhijeet Kumar	G4 - KBV
14	1MV17EE008	Anand Manav	
15	1MV17EE022	Dinkar Kumar Thakur	
16	1MV17EE089	Vaishali Saha	
17	1MV17EE018	Ayush Raj	G5 - NBR
18	1MV17EE030	Hitesh Roshan Gupta	
19	1MV17EE031	Hrithik Yadav	
20	1MV17EE032	Jaisandesh Ls	
21	1MV17EE072	Shravya N Raj	G6 - DB
22	1MV17EE084	Swetha V	
23	1MV17EE095	Vivek Singh	
24	1MV17EE098	Sushmitha r	

25	1MV17EE010	Anirudh R	G7-KSR
26	1MV17EE013	Arcilla Breena Pinto	
27	1MV17EE019	Bhavana G	
28	1MV17EE025	Gajananda	
29	1MV17EE058	Prerana N S	G8 - MKG
30	1MV17EE059	Rajashekhar Mallayya Sambalad	
31	1MV17EE081	Sushma N	
32	1MV17EE088	Umme Kulsoom	
33	1MV17EE001	A Nanditha	G9 - PJ
34	1MV17EE027	Giri Varshini H S	
35	1MV17EE047	NAYANA N	
36	1MV18EE421	VIDYASHREE T K	
37	1MV17EE064	Rohith Ar	G10-BC
38	1MV17EE065	Sachin B Koppad	
39	1MV17EE087	Uday Shankar B L	
40	1MV17EE097	Yathish H P	
41	1MV17EE043	Nagaraja B N	G11 - NKR
42	1MV17EE046	Navya Shree A	
43	1MV18EE403	BHAVANA P	
44	1MV18EE406	Dikshitha K	
45	1MV17EE012	Aparna S	G12 - MRS
46	1MV17EE020	Chaithra G M	
47	1MV17EE024	G Kavya	
48	1MV17EE037	Manoj M	
49	1MV17EE039	Mayank Pandey	G13 - RTM
50	1MV17EE066	Sameer	
51	1MV17EE068	Satya	
52	1MV17EE080	Suman Kumar	
53	1MV17EE003	Adarsh Kumar	G14 - AC
54	1MV17EE006	Amit Kumar	
55	1MV17EE035	Kumarjeet	
56	1MV17EE091	Vikash Kumar	

AY-2020-2021 FINAL YEAR PROJECT LIST

57	1MV17EE042	Mohammed Junaid Faruk	**G15 - RS**
58	1MV17EE062	Rithika D Prakash	
59	1MV17EE082	Sushmita M Maadbal	
60	1MV17EE096	Walusha Awnoory	
61	1MV17EE007	Amit Kumar Singh	**G16 - VNA**
62	1MV17EE021	Dhananjay Sharma	
63	1MV17EE070	Shashank Kumar	
64	1MV17EE092	Vimanshu Aryan	
65	1MV17EE029	HARSHIT RAJ	**G17 - NMS**
66	1MV17EE036	Manish Kumar	
67	1MV17EE051	Pankaj Dubey	
68	1MV17EE093	Vinit Burad	
69	1MV17EE053	Pavan G	**G18 - DB**
70	1MV17EE077	Srinivas J	
71	1MV17EE086	Tarun Y N	
72	1MV18EE418	Rakesh Poojar H M K	
73	1MV17EE099	Bhargavi	**G19 - CVM**
74	1MV18EE409	MEENAKSHI J KANTHI	
75	1MV18EE417	Rakesh d s	
76	1MV18EE423	YOGEESH B K	
77	1MV17EE060	Rakshith Gowda N B	**G20 - KBV**
78	1MV17EE061	Rakshithabh	
79	1MV17EE083	Swathi H S	
80	1MV18EE401	ANILA SHRIPADA DESAYI	
81	1MV17EE069	Shaik Dawood T S	**G21 - RRK**
82	1MV17EE073	Shrestha Ghosh	
83	1MV17EE074	Shrinkhla Raj	
84	1MV17EE078	Subhi Goenka	
85	1MV17EE033	Joel Thomas	**G22 - BT**
86	1MV17EE052	PATIL SHUBHAM SHIVAJI	
87	1MV17EE063	ROHIT RANJAN	
88	1MV17EE071	Shivam Bhardwaj	

AY-2020-2021 FINAL YEAR PROJECT LIST

89	1MV17EE038	Manoj Kumar Pg	G23 - NBR
90	1MV17EE041	Mohamed Al Raseeth	
91	1MV17EE044	Naveenkumar K Guravannavar	
92	1MV17EE049	Nithish Kumar T R	
93	1MV18EE410	NACHIKETHA M	G24 - MSS
94	1MV18EE411	Narendra babu V N	
95	1MV18EE415	PUNITH MO	
96	1MV18EE420	SHARANABASAVA	
97	1MV18EE400	AKASH B	G25 - HLS
98	1MV18EE404	DATTATRI	
99	1MV18EE405	Dharshan c g	
100	1MV18EE407	HEMANTH BABU V	
101	1MV18EE402	ASHOK B GONCHIKAR	G26 - MPV
102	1MV18EE408	KISHORE K S	
103	1MV18EE414	Praveen R	
104	1MV18EE422	Vishwas N	
105	1MV17EE040	Md Shabtab Afroz	G27 - HLS
106	1MV17EE048	Nirmal Kumar Sharma	
107	1MV18EE412	NAZEEM SHAIK M	
108	1MV18EE419	SAGAR HANAMANT JYALI	
109	1MV16EE027	Divyaj Kharbanda	G28 - PS
110	1MV16EE062	Niladree Banerjee	
111	1MV16EE096	Shubham Aggarwal	
112	1MV16EE121	Vishwajeet Kumar	
113	1MV16EE083	Rohit	G29 - RS
114	1MV16EE111	Tushar khatri	
115	1MV16EE056	Mudit kumar	
116	1MV16EE026	Deepanshu shekhar	
117	1MV16EE049	ADITHYA RAJU	G30 - MKG
118	1MV16EE051	MANJUNATH RAJU	
119	1MV17EE420	SANJUKUMAR	

R. Seema
Project - Coordinator

PROF. & HEAD
DEPT. OF ELECTRICAL ENGG
10/8/2020
BIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunasamaranahalli
Bangalore-562 157

SRI KRISHNADEVARAYA EDUCATIONAL TRUST'S

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Krishnadevarayanagar, Hunasamaranahalli, Off. International Airport Road, Bangalore - 562 157.

(Affiliated to Visvesvaraya Technological University, Recognised by AICTE & Accredited by National Board of Accreditation, New Delhi. An ISO 9001 : 2008 Certified Institution.)

Ph. No. +91 080 - 2846 7248 , 2846 7020, 2847 7024/25/26 Extn. : 190, 115 Fax : 080-2846 7081

E-mail : sirmvitbgl@gmail.com, Web : www.sirmvit.edu

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

From:

The HoD,

Department of Electrical and Electronics Engineering,

Sir MVIT – Bangalore – 562 157

To:

Dr. Anand M Shivapuji,

Senior Research Scientist (CST),

IISC - Bangalore

Subject: Invitation for Online Project Exhibition – 2021 regarding

Dear Sir,

I am writing to request your honorable presence in gracing our "Online Project Exhibition – 2021" on 06-08-2021. We would be most honored if you can be our event Jury for the project exhibition and Speaker for the technical session.

We look forward your positive confirmation of our invitation.

Yours Sincerely,

(Dr. H.L. Suresh)

Professor & HoD - EEE

PROF. & HEAD
DEPT. OF ELECTRICAL ENGG.
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunasamaranahalli
(Via) Yelahanka Bangalore-562 157

From:

The Professor & HoD,

Department of EEE,

Sir MVIT – Bangalore

DEPT. OF ELECTRICAL & ELECTRONICS ENGG. No. 054 Date : 18/8/2021 SIR M VIT BENGALURU - 562 157.

To:

The Principal,

Sir MVIT,

Bangalore

VISVESVARAYA INSTITUTE OF TECHNOLOGY SL. No. 1266 Date 18.8.21 SIR M. BANGALORE-562 157

Respected Sir,

Sub: Financial assistance for project exhibition – 2021 regarding

Ref: KET/74/250/2021-2022 dated 12-07-2021

With reference to the above, our department successfully conducted project exhibition during 02-08-2021 to 06-08-2021, with four external jury members and six project groups were selected for prize money of Rs.2000/- each.

With reference to the above, Sri KET sanctioned financial assistance of Rs.20,000/- (Rupees twenty thousand only) for Electrical Engineering department. In which, Rs.8000/- for four external Jury members honorarium (Rs.2,000/- each) and Rs. 12,000/- for prize money for six students (Rs.2,000/- each). The detailed list is enclosed here.

In this regard, I kindly request you to approve the remuneration for jury members and prize money to students and also, I am requesting you to kindly do the need full.

Thanking you,

Dr. H.L. Suresh, 18/8/2021

PROF. & HEAD DEPT. OF ELECTRICAL ENGG SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOG Krishnadevarayanagar, Hunasamara, Chall (Via) Yelahanka Bangalore-562 157

Prof & HoD – EEE

Encl: (1) Approval letter from trust office (2) List of students and Jury members account details.

18/8/21

SRI KRISHNADEVARAYA EDUCATIONAL TRUST
No. 16, Ballari Road, Sadashivanagar, Bengaluru – 560 080

Ref.No.KET/ 74 /250/2021-2022

NOTE:

Date: 12/07/2021

Sub: Financial assistance for conduct of project presentation competitions by final year students of UG branches of Engg. and

Ref: Letter from the Coordinator – Research Committee bearing No. VIT/OFF/G-73/2021-2022/255, dated 28/06/2021 with due recommendation of the Principal.

***

With reference to the above, financial assistance of Rs. 1,20,000/- (Rupees One Lakh Twenty Thousand only) is sanctioned as detailed below for conduct of project presentation competitions by final year students of UG branches of Engg. and PG courses, taking into account the number of projects, expected number of prizes and honorarium to external Jury members of the Dept. of Civil Engg., Electrical & Electronics Engg., Bio-Technology and MBA. The said amount be drawn from Principals' S.B. A/c and reimbursement be claimed from this Office with bills and vouchers.

Sl. No.	Department	Number of projects	Number of External Jury Members	Number of prizes	Total amount sanctioned Rs.
01.	Bio-Tech.	18	02 (Rs, 2,000/- per Jury member x 2 Nos.) = Rs. 4,000/-	03 (Prize money Rs,2,000 x 3 students) = Rs. 6,000/-	10,000 (Rs. 4,000/- + Rs. 6,000/-)
02.	Comp. Sci. & Engg.	42	04*	06 (Prize money Rs,2,000 x 6 students) = Rs. 12,000/-	12,000
03.	Civil Engg.	20	02 (Rs, 2,000/- per Jury member 2 Nos.)=Rs. 4,000/-	03 (Prize money Rs,2,000 x 3 students) = Rs. 6,000/-	10,000 (Rs. 4,000/- + Rs. 6,000/-)
04.	Electrical & Electronics Engg.	33	04 (Rs, 2,000/- per Jury member 4Nos.)=Rs. 8,000/-	06 (Prize money Rs,2,000 x 6 students) = Rs. 12,000/-	20,000 (Rs. 8,000/- + Rs. 12,000/-)
05.	Electronics & Commn. Engg.	33	04**	06 (Prize money Rs,2,000 x 6 students) = Rs. 12,000/-	12,000
06.	Electronics & Telecommn. Engg.	16	02**	03 (Prize money Rs,2,000 x 3 students) = Rs. 6,000/-	6,000
07.	Information Sci. & Engg.	18	02*	03 (Prize money Rs,2,000 x 3 students) = Rs. 6,000/-	6,000
08.	Mech. Engg.	40	04**	06 (Prize money Rs,2,000 x 6 students) = Rs. 12,000/-	12,000
09.	Master of Comp. applications	64	03*	06 (Prize money Rs,2,000 x 6 students) = Rs. 12,000/-	12,000

By BJL

Contd...2.

To
Pr. Sirapriyan

22/7/21

Department of EEE, Sir MVIT - Bangalore

Online Project Exhibition – 2021 - Schedule

Date	Internal Evaluators	External Evaluators	Title of Projects
02-08-21	Dr. Mahesh Professor Dr. M.S. Suresh Associate Professor Dr. R. Subha Associate Professor Dr. Nayana B R Associate Professor	Dr. Swaminathan Ganesan, Project Leader for New Product Development, Schneider Electric, Bangalore	2. AI Based Surveillance System 3. Health tracker with live patient tracking 13. Automatic eyeball controlled assistive wheelchair prototype for differently able 15. Wearable Sensing And Tele-health Technology With Potential Applications in the Corona virus Pandemic, Chronic Diseases And Alzheimer's disease 25. Iot based smart health monitoring system 28. Air quality monitoring and prediction using machine learning
03-08-21		Dr. J. Ramprabhakar, Assistant Professor (EEE), Amrita Vishwa Vidyapeetham, Bangalore	1.Underground Cable Fault Detection Rover 12. Long distance data transfer control using LoRa 17. Line man Safety Using Computer Vision and Microcontroller 23. A Low Cost Robust Electro-Mechanical Dry and Wet Cleaning Robot 24. Solar Powered Forest Fire Detection by Using Arduino and Zigbee 29. Automatic Garbage Segregation and Waste Management System
04-08-21		Dr. Chandrasekhar Reddy Atla, Principal Engineer, PRDC, Bangalore	5. Fault diagnosis using IOT and ML for Small wind Turbines 6. Development of wireless Power Transfer(WPT) using magnetic resonant coupling 21. Combination of sensors and motors for obstacle avoidance with additional safety features 22. Automatic Power Factor Compensation for Inductive Loads 27.Smart Vehicle System Using Arduino 30. Agrobot 31. Power Factor Correction Circuit For a Boost Converter in Matlab
05-08-21		Dr. Elangovan Devaraj, Deputy Director - TIFAC, VIT - Vellore	4. Automatic Accident Detection And Rescue System 8. Self balancing bicycle 9. Implementation of Smart Traffic by using Artificial Intelligence 14. Blind zone Alert System 16. Motion mirroring robot 18. Self proclaimed generator for Electric Vehicle
06-08-21		Dr. Anand M Shivapuji, Senior Research Scientist (CST), IISC - Bangalore	7. Monitoring and controlling of power consumption in an isolated dc grid 10. Simulation and comparison between two MPPT algorithm for solar photo voltaic system using a boost converter 11. A PWM Method For Single-Phase Current Sourced High Frequency AC Link Inverter 19. Hybrid power generation using vertical wind turbine and solar energy for domestic application 20. Smart starter for 3ph submersible induction motor 26. Simulation and implentation of grid to vehicle and vehicle to grid technology using matlab simulink and arduino

Dr. R. Sivapriyan
Coordinator

Dr. H.L. Suresh
HoD - EEE

Department of EEE, Sir MVIT - Bangalore

Online Project Exhibition – 2021 - Schedule

Date	Internal Evaluators	External Evaluators	Title of Projects
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Dr. R. Sivapriyan
Coordinator

Dr. H.L. Suresh
HoD - EEE

Sl. No.	Name of the Jury members	Honorarium
1	**D ELANGOVAN** **Deputy Director – TIFAC Core,** **VIT, Vellore**	**Rs. 2,000**
2	**Ganesan Swaminathan** **Project Leader for New Product Development,** **Schneider Electric,** **Bangalore**	**Rs. 2,000**
3	**J. Ramprabhakar** **Assistant Professor,** **Amrita Viswa Vidyapeetham,** **Bangalore**	**Rs. 2,000**
4	**Chandrasekhar Reddy Atla** **Principal Engineer,** **PRDC,** **Bangalore**	**Rs. 2,000**

Sl. No.	Student Name		Prize amount
1	**Pavan PH**	- 1MV17EE055	**Rs. 2,000**
2	**VIVEK SINGH**	- 1MV17EE095	**Rs. 2,000**
3	**RAJASHEKHAR M SAMBALAD**	- 1MV17EE059	**Rs. 2,000**
4	**Satyajit Jana**	- 1MV17EE068	**Rs. 2,000**
5	**Rakshith Gowda N B**	- 1MV17EE060	**Rs. 2,000**
6	**ROHIT**	- 1MV17EE064	**Rs. 2,000**

The Bank account details are enclosed for your reference

18/08/2021

PROF. S READ
DEPT. OF ELECTRICAL ENGG
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOG
Krishnadevarayanagar, Hunasamaranahalli
(Via) Yelahanka Bangalore-562 157

DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU
Department of Electronics & Telecommunication Engineering

Date: 12/05/21

To,

Ms. Sreelakshmi T

Asst. Professor

ETE dept

SirMVIT

Bangalore – 562157

Respected mam

Subject: Project exhibition coordinator allotment letter – reg

This is informing you that further to the discussion we had, you have been allotted for coordinator of a project exhibition – cum – competition for final year students.

Thanking you

Yours sincerely,

Dr. E Kavitha

Head of Department
Department of Electronics and Telecommunication
Sir MVIT, Bangalore - 562 157

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU
Department of Electronics & Telecommunication Engineering

Circular

Date: 12/05/21

This is to inform all the final year students to strictly adhere to the schedule of project review given below. Three reviews will be conducted. The students are required to prepare well in terms of project progress and implementation. All the students should present on that day. Marks will be awarded based on the individual performance during the presentation.

Project review phase 2	19/05/21
Project review with demo1	16/06/21
Project review with demo2	24/06/21

HOD

Head of Department
Department of Electronics and Telecommunication
Sir MVIT, Bangalore - 562 157

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

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Krishnadevarayanagar,Bengaluru, Karnataka

DEPARTMENT OF
ELECTRONICS AND TELECOMMUNICATION ENGINEERING

in coordination with

IETE, BANGLORE SECTION

presents

" PROJECT EXHIBITION "

5th August 2021

@ 10am IST

Dr. Thangadurai. N

Professor and Research Coordinator in the
Dept. of Electronics and Communication Engineering,
JAIN (Deemed-to-be University) Bengaluru, India.

Mr.Vinay Avanchi

Founder & Director
IndustriConnect Technologies Pvt. Ltd., Bengaluru.

Join with Google Meet

https://meet.google.com/tsi-mpjv-xhz

Convenor :

Dr. V R Manjunath, Principal, Sir MVIT.

Dr. E.Kavitha, Prof & HoD, Dept. Of ETE, Sir MVIT.

Coordinator :

Sreelakshmi T, Asst. Prof, Dept. Of ETE, Sir MVIT.

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

RUBRICS FOR PROJECT EXHIBITION EVALUATION

Sl. No.	Parameters	Excellent	Good	Average	Fair/Basic	Poor/Fair below basic
1	Topic [10]	Emerging Technology (10)	Current Research topics(8)	Existing research topic with improvements (6)	Existing research topic(4)	Obsolete Technology(2)
2	Technical Content [10]	10 and above SCI,Scopus or IEEE surveyed papers (Literature Survey)(10)	8 and above SCI,Scopus or IEEEsurveyed papers (Literature Survey)(8)	7 and above SCI,Scopus or IEEE surveyed papers (Literature Survey)(6)	6 and above SCI,Scopus or IEEE surveyed papers(Literature Survey)(4)	Less than 5 SCI,Scopus or IEEE surveyed papers (Literature Survey)(2)
3	Presentation [20]	Contents of the presentation are appropriate and well organized(10)	Contents of the presentation are appropriate and moderatly organized (8)	Contents of the presentation are appropriate but not well organized(6)	Contents of the presentation are inappropriate and needs revision (4)	Contents of the presentation are poor needs revision (2)
4	Viva [10]	Questions are orally asked to students and marks are given based on correct answer				

HOD

Head of Department
Department of Electronics and Telecommunication
Sir MVIT, Bangalore - 562 157

SIR M.VISVESARAYA INSTITUTE OF TECHNOLOGY.

Dept. of Electronics and Telecommunication Engg.

List of Projects & Guides for the year 2020-21

Batch No	Name and USN	Title of the Project	Guide
B1	1MV17TE008 – AYUSHI PRATAP 1MV17TE010 – BHAVANA M S 1MV17TE026 – PALLAVI KUMARI 1MV17TE036 – TANISHA SRIVASTAVA	Wall painting robot	Dr.E.Kavitha
B2	1MV17TE034 – SHIVAM RANJAN RAJ 1MV17TE033 – SHASHANK SHAURYA 1MV17TE039 – UJJWAL KUMAR 1MV17TE007 – ASHUTOSH KUMAR	Invisible Eye	Dr.E.Kavitha
B3	1MV17TE401 – ASHARANI D PUNNOJI 1MV17TE405 – NEHA SHIVANNA 1MV15TE024 – PRASHANT KUMAR 1MV15TE030 – SAGAR SETU	Agriculture based Project	Mrs. Savitha Harkude
B4	1MV16TE011-ALLEN 1MV15TE046-SOURAV	Iot Based Auto Temperature Detector For Covid Safety	Mrs. Anju K Peter
B5	1MV17TE001 – AFSHAN BAIG 1MV17TE003 – ANSHUMAN GIRI 1MV17TE035 – SYED SHARJIL AHMED 1MV17TE040 – VIGHNESH MANI	Driver Capability Prediction System Using Raspberry Pi	Mrs. Savitha Harkude
B6	1MV17TE403 – GAGAN R 1MV17TE408 – SUMANTH CM 1MV16TE023 – LIKITHA BYREGOWDA 1MV16TE010 – BARGAV DEVNATH	Smart City using wireless technology	Mr.SubraChakraborty

B7	1MV17TE016 – JAYANTHA MARAM 1MV17TE020 – LAKSHA S 1MV17TE022 – NAVEEN KUMAR GB 1MV17TE027 – POORNIMA L	No Need I	Mrs. SreeLakshmi T
B8	1MV17TE015 – DEEKSHA HS 1MV17TE018 – KAVYA S 1MV17TE021 – NAMITHANANDA D 1MV17TE037 – TANUSHREE K	Agricultural robot using AI and IOT	Mrs. Kalaiarasi M
B9	1MV17TE002 – ANKITA DEY 1MV17TE004 – ANUSHA DV 1MV17TE009 – BN KEERTHANA 1MV17TE011 – CHAITRA V	A smart Fault detection system in metro rails.	Mrs. SreeLakshmi T
B10	1MV17TE005 – ANUSHA KURBETT 1MV17TE006 – ARIB NAWAL 1MV17TE023 – NEELAMEGHASRI K 1MV17TE041 – VIVEK CHOWDARY	Smart system for detection of helmet and licence plate	Mrs. T.K Padma Gayathri
B11	1MV17TE017 – K SHARANYA 1MV17TE014 – DIWAKAR KUMAR	Brain tumor extraction from MRI images	Mr.SubraChakraborty
B12	1MV17TE012 – DARSHAN KR 1MV17TE025 – PR NISCHAL 1MV17TE042 – VURCHUS NAGESH KUMAR 1MV17TE043 – YUVARAJ R	FPGA based project	T K Padma Gayathri
B13	1MV17TE028 – PREETHAM M 1MV17TE024 – NISHANTH REDDY YN	Underground cable fault detection using IOT	Mr. Pradeep Kumar S

Head of Department
Department of Electronics and Telecommunication
Sir MVIT, Bangalore - 562 157

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU
Department of Electronics & Telecommunication Engineering
Project exhibition report 2020-2021

The department of Electronics & Telecommunication Engineering organized the Virtual Project Exhibition for the final year UG students on 5th August, 2021. The formal inauguration function started at 9.30 AM and at 10A M judges were welcomed by the Project Coordinator Ms. Sreelakshmi T, Asst. Professor. Rules and regulations were explained to participants by the Judges and the event started at 10:00 AM.

Event Schedule:

5th August 2021from 9:30AM to 2:30PM using the following Google meet link https://meet.google.com/tsi-mpjv-xhz

Total numbers of project batches were 13, out of which 11 batches presented their project with PPT as well as hardware demonstration.

Jury Members are:

1. **Dr. N. Thangadurai , Dean and Research Coordinator,**
   Department of Electronics and Communication Engineering,
   Jain (Deemed-to-be) University, BENGALURU.
2. **Mr. Vinay Avanchi, Founder & Director,**
   Industri connect Technologies Pvt. Ltd, BENGALURU.

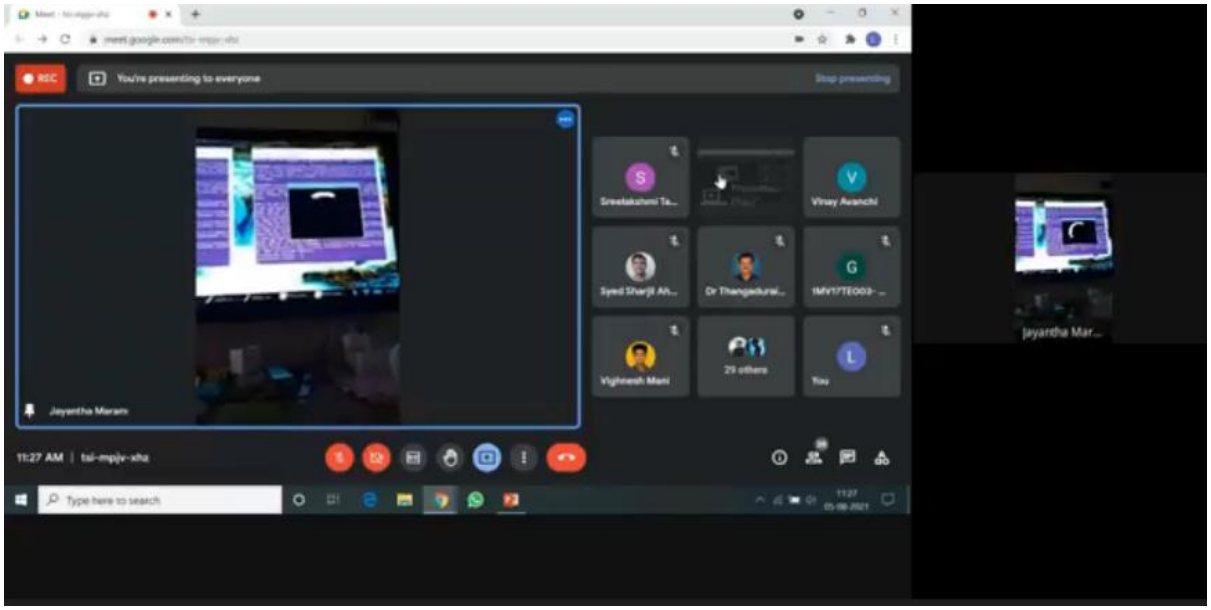
Very valuable and useful suggestions are provided by the Jury members to the students depending on their project and some of them are

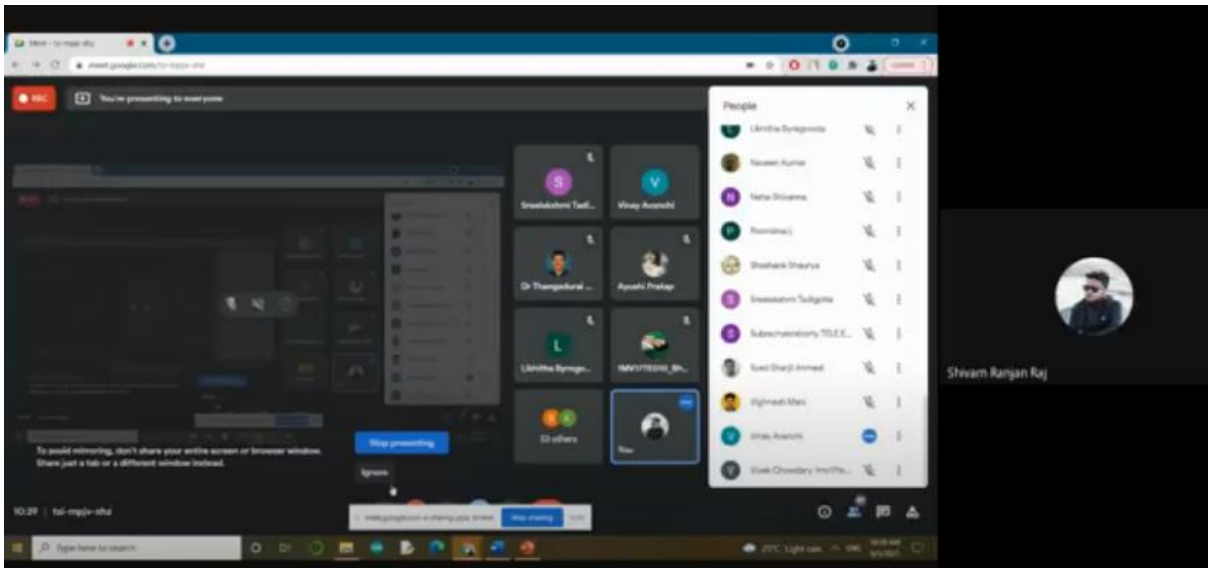
1. Details on the supporting pneumatic systems used
2. Suggested to contact manufacturer's and real estate companies for marketing their product.
3. Study India's initiative on 100 smart cities and their present status and smart cities in Karnataka.
4. Contact/check-up website of 'FASAL' a Bangalore based start-up for more information.
5. Discuss and correlate findings with a practising medical professional in a hospital/ medical testing facility.
6. Explore the possibility of integrating the output from your system into the ignition circuitry of the vehicle to stop it when any abnormal condition is observed.

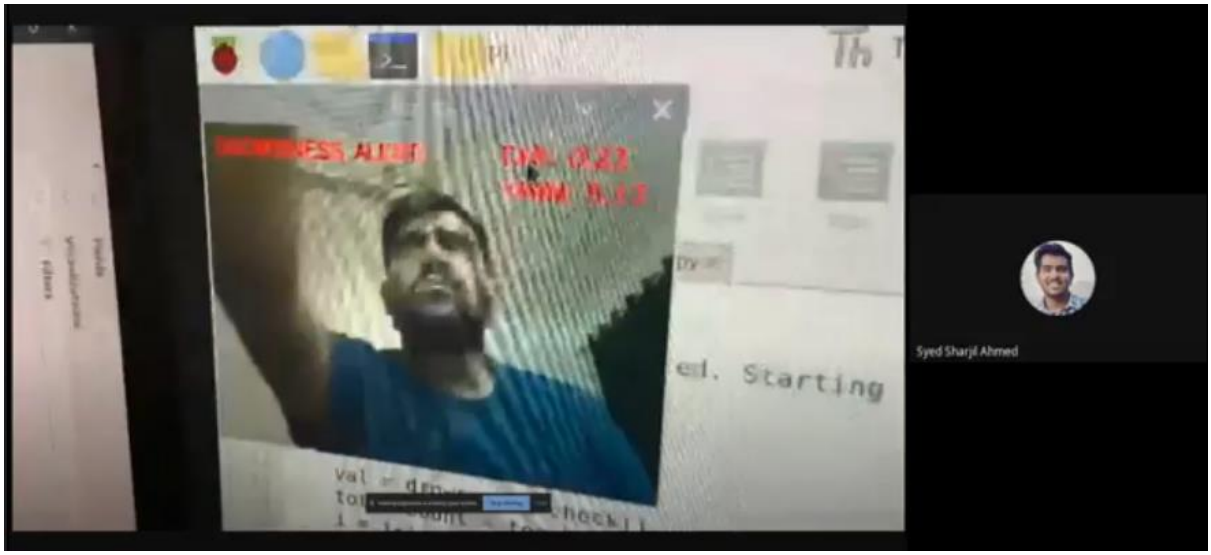
Winners of the Project Presentation are

1. **First Prize:**
   Arib Nawal(1MV17TE006)'s (Batch - 10) "Smart system for detection of helmet and licence plate"
2. **Second Prize:**
   Jayantha Maram (1MV17TE016)'s (Batch - 7) "No Need I".
3. **Third Prize:**
   Vignesh Mani (1MV17TE040)'s (Batch - 5) "Driver Capability Prediction System Using Raspberry Pi".

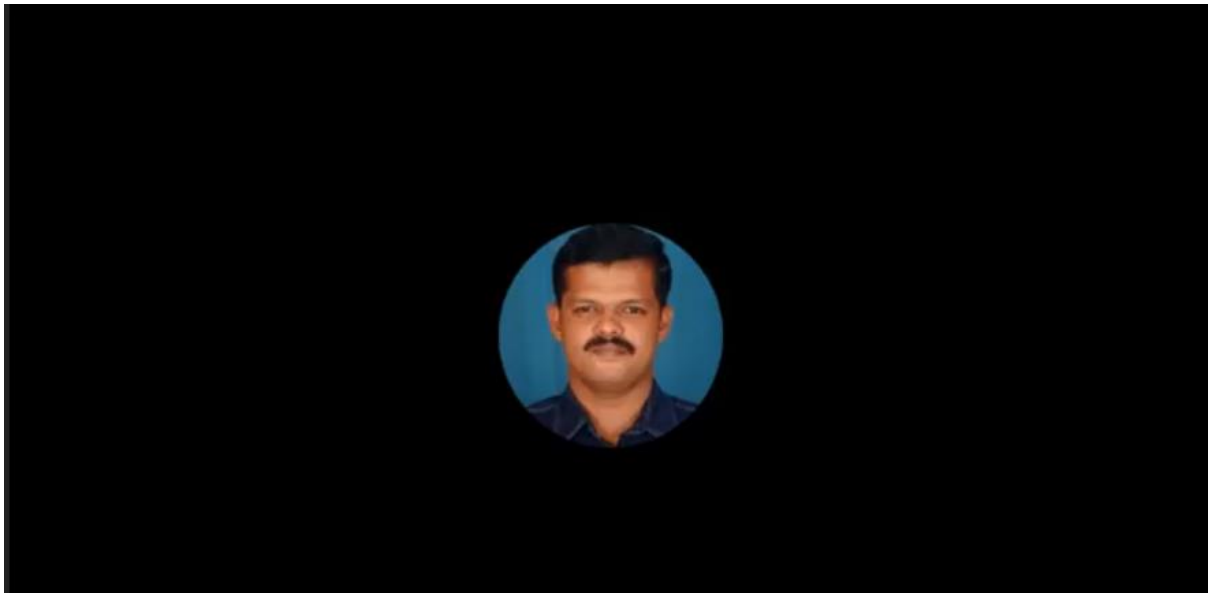
Photographs of the event are as follows:



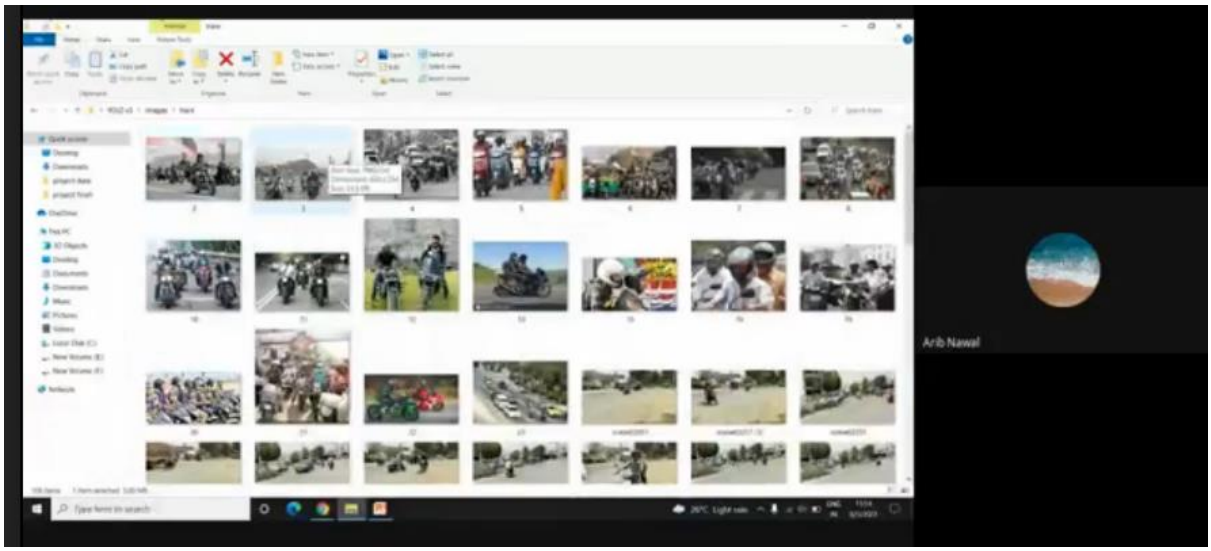


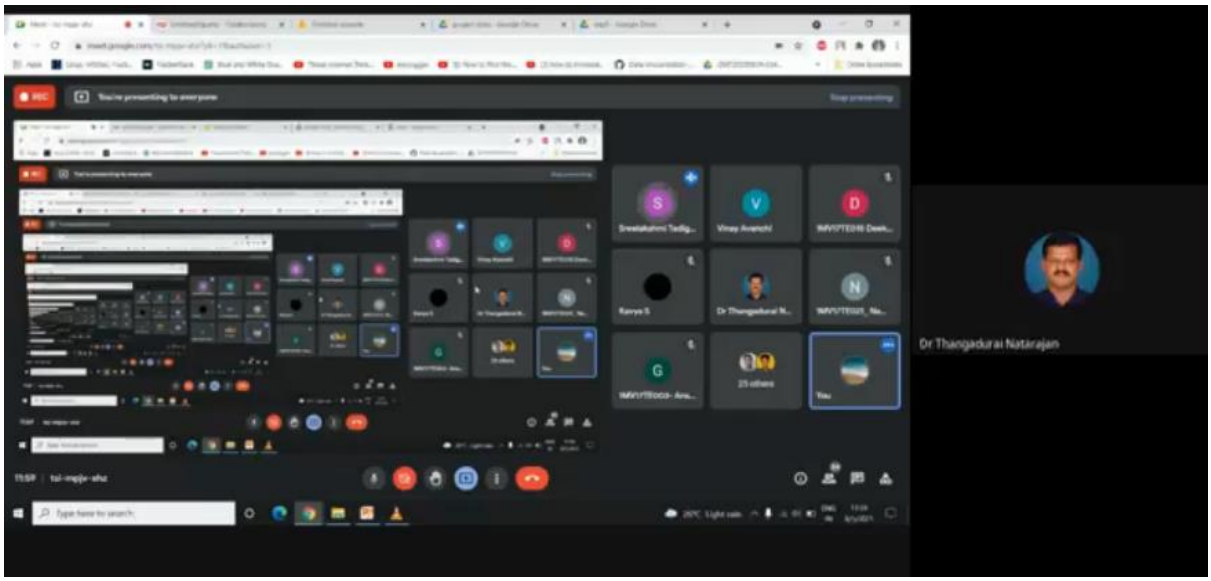

Syed Sharjil Ahmed

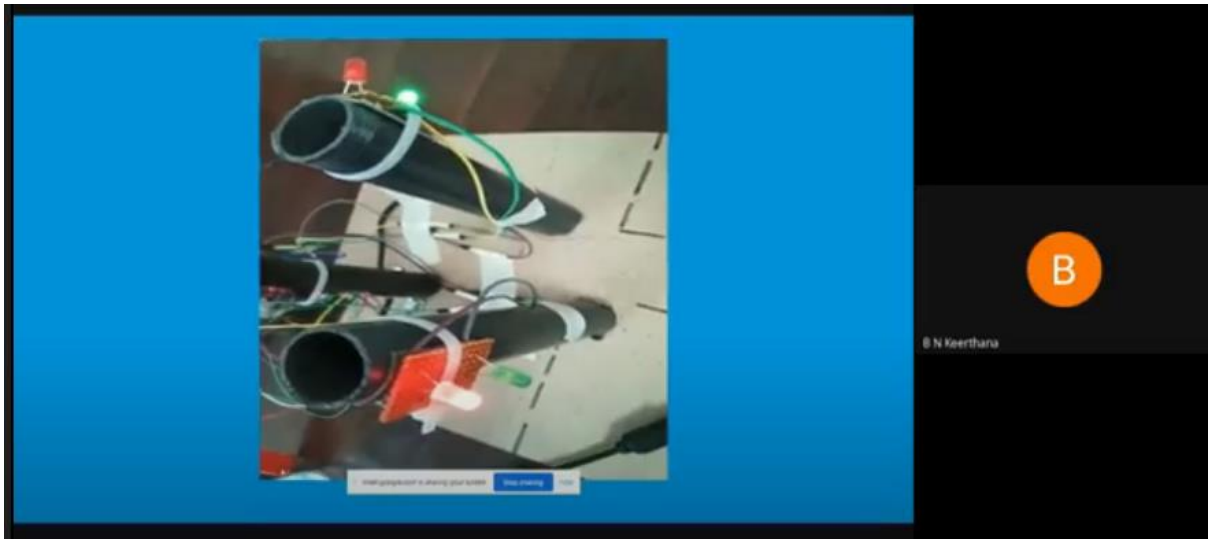

V
Vinay Avanchi

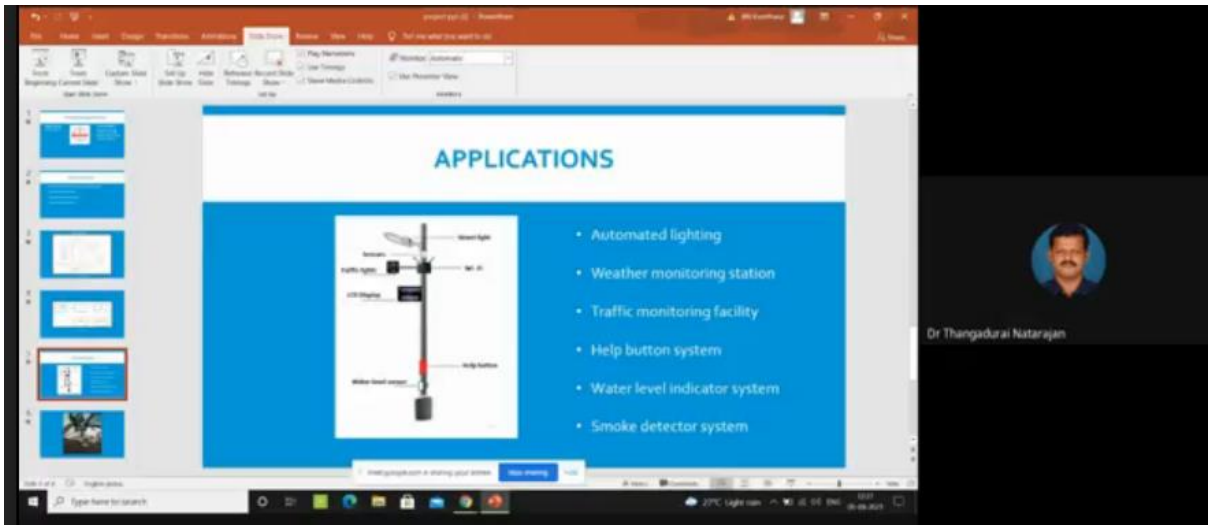


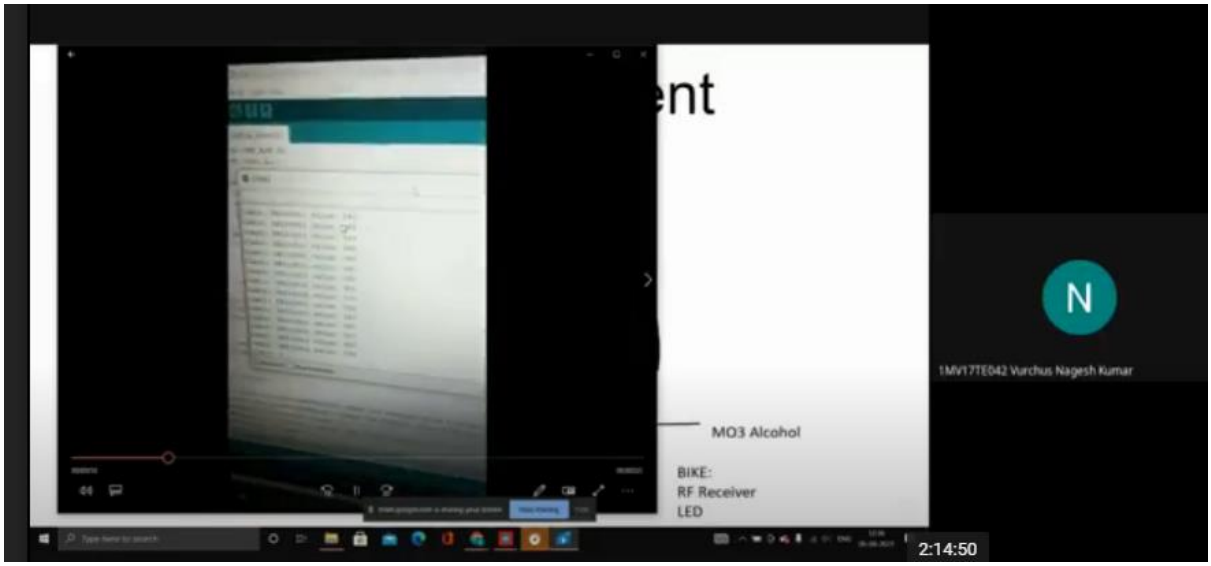

OUR MODEL IN ACTION
Arib Nawal

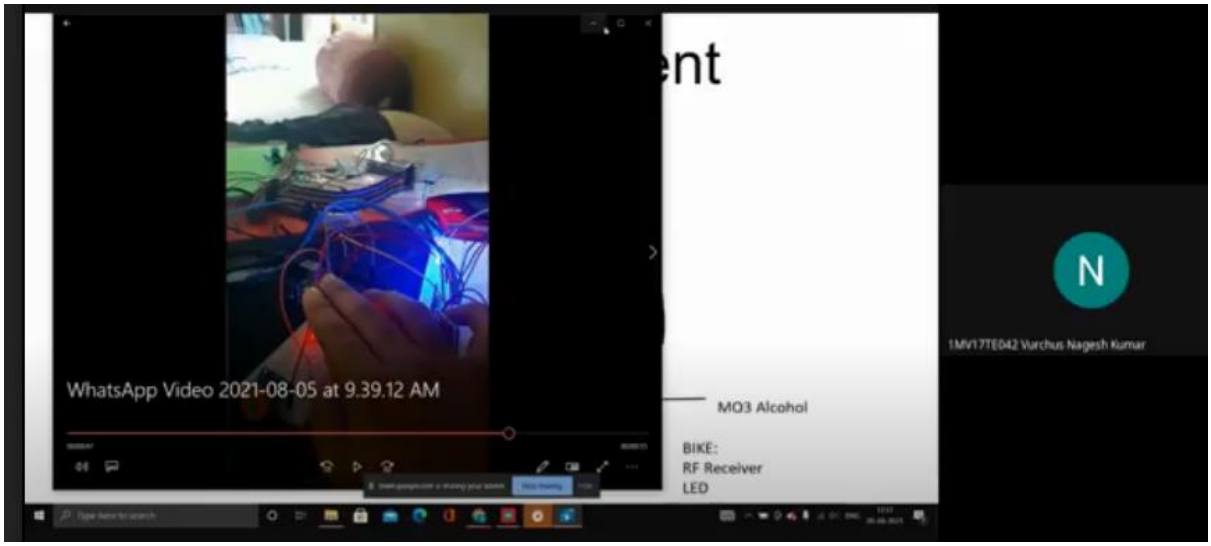

Arib Nawal

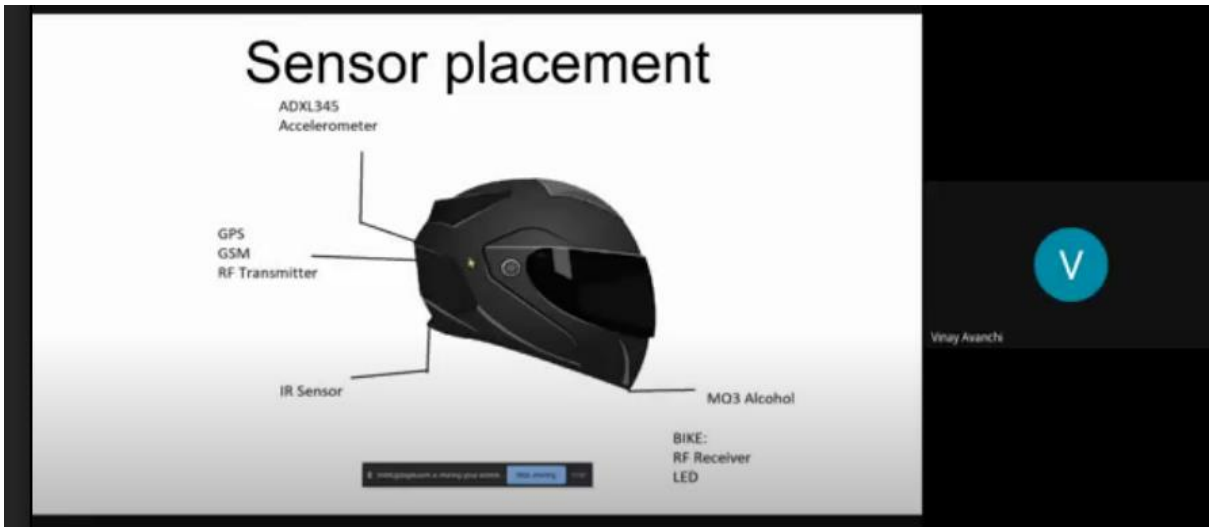

Dr Thangadurai Natarajan


B
B N Keerthana


APPLICATIONS
Automated lighting
Weather monitoring station
Traffic monitoring facility
Help button system
Water level indicator system
Smoke detector system
Dr Thangadurai Natarajan


MO3 Alcohol
BIKE:
RF Receiver
LED
N
1MV17TE042 Vurchus Nagesh Kumar
2:14:50


WhatsApp Video 2021-08-05 at 9.39.12 AM
MO3 Alcohol
BIKE:
RF Receiver
LED
N
1MV17TE042 Varchus Nagesh Kumar


Sensor placement
ADXL345
Accelerometer
GPS
GSM
RF Transmitter
IR Sensor
MO3 Alcohol
BIKE:
RF Receiver
LED
V
Vinay Avanchi

DEPARTMENT OF MECHANICAL ENGINEERING

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY,

BENGALURU- 562 157.

DEPARTMENT OF MECHANICAL ENGINEERING

PROJECT WORK NOTICE

Academic Year: 2021-2022

Date: 28-10-2021.

All the students of VII Semester BE (Mech) and BE (IE&M) must form a project group of four members and submit the details in printed form in A4 sheet signed by all the group members to Sri Janardhana K and Mrs Asha Rani A.

The specialization of the Faculty is also enclosed for information.

Those who already started the work have to give synopsis of work done so far in the enclosed format.

Furnish all details on or before 04-11-2021.

For those who fail to submit the details, groups will be formed by the undersigned and No request for any change will be entertained.

PROFESSOR & HEAD
Department of Mechanical Engineering
Sir M. Visvesvaraya Institute of Technology
Bengaluru-562 157

Project Work Coordinator **H O D**

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY,

BENGALURU- 562 157.

DEPARTMENT OF MECHANICAL ENGINEERING

STAFF SPECIALIZATION FOR FINAL YEAR PROJECT WORK BATCH ALLOCATION

Date: 28-10-2021

NAME OF THE FACULTY	DESIGNATION	SPECIALIZATION	Group No.
Dr. K S Shanmukharadhya	Professor & HOD	Thermal Science, Combustion & CFD	ME04, ME16, ME24
Dr. V Shantha	Professor	Manufacturing, Power Metallurgy	ME19,ME23
Dr. G Balakumar	Asso.Prof	Manufacturing Science and Engineering	ME22,ME27
Mr. K Ejaz Ahmed	Asso.Prof	Production Engineering Systems Technology	ME01,ME17
Mr. S B Halesh	Asso.Prof	Machine Design	ME28,IM03
Mr. Janardhana K	Asso.Prof	Manufacturing Science and Engineering	ME07,ME18, ME25
Mr. MahaboobBasha D	Asso.Prof	Production Engineering and Systems Technology	ME20,ME29
Dr. Kiran Kumar M	Asst.Prof	Thermal Engineering.	ME08,ME11,
Dr. Prashant S H	Asst.Prof	Computer Integrated Manufacturing	ME09
Dr. Hanamantraygouda.M.B	Asst.Prof	Design Engineering	ME06
Mr. Ramesh C Guledagudda	Asst.Prof	Product Design	ME21
Mr. Prashanth L	Asst.Prof	Product Development and Manufacturing	ME13
Mr. Shivakumar S	Asst.Prof	Design Engg.	IM01
Mr. Chethan D	Asst.Prof	Machine Design	ME03
Mr. Natraja M.	Asst.Prof	Machine Design	IM04

Mr. Chandrasekhar B.	Asst.Prof	Thermal Engineering.	ME12
Mr. H S Yeshvantha	Asst.Prof	Machine Design	IM02
Mr. R. Kumarswamy	Asst.Prof	Computer Integrated Manufacturing	ME02
Mr. L Sampath Kumar	Asst.Prof	Engineering Analysis and Design	ME15
Mr. Madhukumar K	Asst.Prof	Tool Engineering	ME05
Mrs. Veena B.G	Asst.Prof	Production Engineering and Systems Technology	ME28
Mr. Karthik M	Asst.Prof	Computer Integrated Manufacturing	ME14
Mrs. Asha Rani.A	Asst.Prof	Machine Design	ME10

PROFESSOR & HEAD
Department of Mechanical Engineering
Sir M. Visvesvaraya Institute of Technology
Bengaluru-562 157

Project Work Coordinator **H O D**

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY,

BENGALURU- 562 157.

DEPARTMENT OF MECHANICAL ENGINEERING

FINAL YEAR PROJECT WORK BATCH

Academic Year: 2021-2022

Sl No.	USN	Name of the Student	Mobile	Email ID	Signature
1					
2					
3					
4					
Title of the Project If any:					
Area of Project Work:					
Scope of the Project Work:		1.			

GUIDE
(IF ANY)

H O D

PROFESSOR & HEAD
Department of Mechanical Engineering
Sir M. Visvesvaraya Institute of Technology
Bengaluru-562 157

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY,

BENGALURU- 562 157.

DEPARTMENT OF MECHANICAL ENGINEERING

PROJECT WORK COMPETITION

Date:16/08/2021

The students of VIII Semester BE (Mech) and BE (IE&M) have been informed that the project work competition will be conducted on 19/08/202. The students those who are willing to participate should register on or before 18/08/2021 with the project co-Ordinator's.

The students who register after 18/08/2021 will not be entertained.

PROFESSOR & HEAD
Department of Mechanical Engineering
Sir M. Visvesvaraya Institute of Techonology
Bengaluru-562 157

Project Work Coordinator **H O D**

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU- 562 157
DEPARTMENT OF MECHANICAL ENGINEERING

PROJECT WORK RUBRICS

PHASE 1: 100Marks
Progress Seminar I and Seminar II

Sl No	Parameter/s	Max Marks	Evaluator 1	Evaluator 2
1	Identification of Problem Domain and Detailed Analysis	**10**		
2	Literature Survey	**10**		
3	Objectives / Methodology of the proposed work	**10**		
4	Project Report	**10**		
5	Presentation	**10**		
Grand Total		**50**		

Parameters	Excellent (10)	Good (9)	Average (8)	Acceptable with Minor changes (7)
Identification of Problem Domain and Detailed Analysis 10 Marks	Detailed and extensive explanation of the purpose and need of the project	Good explanation of the purpose and need of the project	Average explanation of the purpose and need of the project	Moderate explanation of the purpose and need of the project
Literature Survey 10 Marks	Collection and Study of at least 10 Scopus indexed journals and well defined identification of Objectives	Collection and Study of at least 8 Scopus/ Referred indexed journals and well defined identification of Objectives	Collection and Study of at least 6 Referred indexed journals and well defined identification of Objectives	Collection and Study of at least 4 Referred indexed journals and moderately defined identification of Objectives

Objectives / Methodology of the proposed work 10Marks	All objectives of the proposed work are well defined; steps to be followed to solve the defined problem are clearly specified	Good justification of the objectives; methodology to be followed is specified but detailing not done	Incomplete justification to the objectives proposed; steps are mentioned but not clear; without justification to objectives	Only some objectives of the proposed work are well defined; steps to be followed to solve the defined problem are not specified properly
Project Report 10 Marks	Project report is according to the specified format; references and citations are appropriate and well mentioned	Project report is according to the specified format; references and citations are appropriate but not well mentioned	Project report is according to the specified format; but references and citations are inappropriate	Project report is partially according to the specified format; references and citations are inappropriate needs revision
Presentation 10 marks	Contents of the presentation are appropriate and well organized	Contents of the presentation are appropriate and moderately organized	Contents of the presentation are appropriate but not well organized	Contents of the presentation are inappropriate and needs revision

PHASE 1: 100Marks

Sl No	Parameter/s	Seminar 1 Average Marks (50)	Seminar 2 Average Marks (50)	PHASE 1 Marks (100)
1	Identification of Problem Domain and Detailed Analysis			
2	Literature Survey			
3	Objectives / Methodology of the proposed work			
4	Project Report			
5	Presentation			

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU- 562 157
DEPARTMENT OF MECHANICAL ENGINEERING

PROJECT WORK RUBRICS

PHASE II: 100Marks

Progress Seminar I and Seminar II

Sl No	Parameter/s	Max Marks	Evaluator 1	Evaluator 2
1	Study of Literature Survey / Study of the existing systems	10		
2	Design methodology / Experimentation	10		
3	Results and discussion	10		
4	Project Report	10		
5	Presentation	10		
Grand Total		50		

Parameters	Excellent (10)	Good (9)	Average (8)	Acceptable with Minor changes (7)
Study of Literature Survey / Study of the existing systems 10 marks	Collection and Study of at least 10 Scopus indexed journals and well defined identification of Objectives	Collection and Study of at least 8 Scopus/ Referred indexed journals and well defined identification of Objectives	Collection and Study of at least 6 Referred indexed journals and well defined identification of Objectives	Collection and Study of at least 4 Referred indexed journals and moderately defined identification of Objectives
Design methodology / Experimentation 10 marks	Division of problem into modules and appropriate selection of computing framework, Design methodology and properly justified	Division of problem into modules and good selection of computing framework; Design methodology not properly justified	Division of problem into modules but inappropriate selection of computing framework; Design methodology not defined properly	Partial division of problem into modules and inappropriate selection of computing framework; Design methodology not defined properly
Results and Discussion 10 marks	Complete explanation of the key concept; strong description of the technical requirements of the project Project work is well summarized and concluded	Complete explanation of the key concept; insufficient description of the technical requirements of the project Project work is well summarized and conclusion not very appropriate	Complete explanation of the key concept but little relevance to the literature; insufficient description of the technical requirements of the project Project work is well summarized and conclusion is inappropriate	All key concepts are not explained and very little relevance to the literature; insufficient description of the technical requirements of the project Project work is not well summarized and conclusion is inappropriate
Project Report 10 marks	Project report is according to the specified format; references and citations are appropriate and well mentioned	Project report is according to the specified format; references and citations are appropriate but not well mentioned	Project report is according to the specified format; but references and citations are inappropriate	Project report is partially according to the specified format; references and citations are inappropriate needs revision
Presentation 10 marks	Contents of the presentation are appropriate and well organized	Contents of the presentation are appropriate and moderately organized	Contents of the presentation are appropriate but not well organized	Contents of the presentation are inappropriate and needs revision

Sl No	Parameter/s	Seminar 1	Seminar 2	PHASE II Marks (100)

1	Study of Literature Survey / Study of the existing systems			
2	Design methodology / Experimentation			
3	Results and discussion			
4	Project Report			
5	Presentation			
Grand Total				

Sl. No	USN	NAME	PARAMETERS					E1	E2	TOTAL	Signature
			1	2	3	4	5				

Date: 12-10-2021.

To,

The Principal,
Sir MVIT,
Bengaluru- 562157.

Through proper channel

Subject: To Pay Prize Money and Remediation for the external evaluator of Final year project

Exhibition conducted on 21.08.2021 Department of Mechanical Engineering Sir MVIT, Regarding.

Ref. No. KET/74/250/2021-22 Dated 12-07-2021.

Sir, with reference to the above subject, we, brings to your kind notice the following:

1. The Final Year Project Exhibition in the Department of Mechanical Engineering was conducted on 21.08.2021 in Virtual Mode (Google Meet: https://meet.google.com/tnm-dhcs-rni) as instructed by your kind wards.
2. Five Project groups were participated in the exhibition.
3. Mr. Venugopal, Senior manager HAL-ASD Bangaluru-560075 was the external evaluator.
4. The three prizes were awarded namely 1st prize Rs 2500/-, 2nd Prize Rs1500/- and 3rd Prize Rs 800/- (Details are enclosed).
5. Honorarium of Rs 2000/- supposed to be paid to the external evaluator hence Rs9800/-to be paid accordingly.

Kindly do the needful,

Yours,

Janardhana K
Asha Rani A
Project Co Ordinator's
Department of Mechanical Engineering,
Sir MVIT, Bengaluru- 562157.

Professor & Head
Department of Mechanical Engineering,
Sir MVIT, Bengaluru- 562157.

Enclosures: 1. Approval letter from Sri KET, Ref. No. KET/74/250/2021-22 Dated 12-07-2021.
2. Best projects Report with Prize distribution.
3. Details of Students.

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
BANGALORE – 562 157
DEPARTMENT OF MECHANICAL ENGINEERING
BEST PROJECTS

The final year project exhibition was conducted on 21.08.2021 through online mode Google meet, the presentation was recorded. The total number of

registrations received is five teams. The evaluators for the project exhibition include one external evaluator and one internal evaluator whose details are mentioned below. The best three prize details are mentioned below:

Project presentation details:

Sl No	**Name/USN/Group No**	**Title of the project**	**External Evaluator**	**Internal Evaluator**	**Prize and Amount**
1	ME18 1MV17ME001 Abhinand G.B and team	Semi-automatic solar panel cleaning system	10	10	1st Rs 2500/-
2	ME06 1MV17ME028 Indraneel Das and team	Design and development of low-cost selective laser sintering	09	09	2nd Rs 1500/-
3	ME23 1MV17ME007 Ameenulla Khan and team	Design and fabrication of shaft drive transmission for bicycle	08	08	3rd Rs 800/-

External evaluator details:

Name & Designation	**Bank details**	**Honorarium**
Mr V Venugopal Sr. Manager, HAL-ASD, Bengaluru -560 075 Email:venkatesh.venugopal@hal-india.co.in Mobile No:9482099296	A/c 10918146070 Bank: SBI IFSC code: SBIN0010359	Rs 2000/-

I request kindly sanction the honorarium and prize amount as per the details given.

Thanking you

Professor and Head

PROFESSOR & HEAD
Department of Mechanical Engineering
Sir M. Visvesvaraya Institute of Technology
Bengaluru-562 157

DEPARTMENT OF CIVIL ENGINEERING

Sir M. Visvesvaraya Institute of Technology

Bangalore 562 157

Department of Civil Engineering

PROJECT WORK PHASE–I (17CVP78)- EVALUATION				
Sl. No.	**Parameters**	**Strong (10)**	**Moderate (6-9)**	**Weak (<6)**
1.	**Introduction & Development of the topic**	Detailed and extensive explanation of the purpose and need of the project. In-depth knowledge about the topic	Good explanation of the purpose andneed of the project. Comprehension of the topic	Minimal explanationof the purpose and need of the project. Inadequate Knowledge of the topic
2.	**Literature Review**	Clear and complete details, relevant, specific and thorough supporting evidence from literature	Sufficient details, adequate supporting evidence from literature	Sufficient details, minimum supporting evidence
3.	**Precise definition of the problem, statement with objectives and scope**	Complete definition and description of the project	Defines the problem inaccurately and/or incompletely	Defines the problem inaccurately and/or incompletely
4.	**Able to identify the methodologies based on the study objectives (Design and develop appropriate procedures)**	Objectives clear, focused and innovative all objectives of the proposed work are well defined; Methodology to be followed is specified along with full detailing.	Objectives present but not clear, focused or made explicit. Good justification to the objectives; Methodology to befollowed is specified but detailing is not done.	Objectives not clearly stated. Incomplete justification to the objectives proposed;Steps are mentionedbut unclear; withoutjustification to objectives.
5.	**Able to choose appropriate hardware/software tools and techniques to conduct the experiment**	Students give extensive relevant consideration to modern methods, technologies/tools in framing and/or solving the problems	Students consider modern methods, technologies and/or tools in framing and/or solving the problems	Students do not consider modern methods, technologies/tools.
6.	**Able to apply moral & ethical principles as part of the team toward completion of project**	Able to Adopt all the relevant ethical principles and practices in the execution of the project in reference to standards	Able to Adopt the ethical principles and practices with insufficient understanding during the execution of the project	Able to Adopt the Significant deficiencies in adopting ethical principles and practices in the execution of the project
7.	**Method of presentation (Clarity in the topic, fluency, originality, arrangement and delivery)**	Presenters are audible and fluent on their topic and do not rely on notes to present or respond.	Presenters are mostly audible and fluent on their topic, and require minimal referral to notes.	Presenters are often inaudible or hesitant, often speaking in incomplete sentences.
8.	**Contribution to the team towards progress/treat other team members respectfully.**	Team worked well together to achieve objectives. Members enjoyed interacting with each other and learned from each other. All data sources indicated a high level of mutual respect and collaboration	Team worked well together most of the time, with only a few occurrences of communication breakdown or failure to collaborate when appropriate. Members were mostly respectful of each other.	Team did not collaborate or communicate well. Some members have worked independently, without regard to objectives or priorities. A lack of respect and regard was frequently noted
9.	**Completion of the Project**	Detailed explanation of Percentage of work done and able to define time required to complete the project &including future extensions in the project are well specified	Average explanation of Percentage of work done and able to define time required to complete the project	Minimal Explanation of Percentage of work done not able to give the define the future work completion time.
10.	**Answering questions / Reasoning**	Presenters respond accurately and appropriately to audience questions and comments	Presenters respond to most questions accurately and appropriately	Presenters have difficulty responding clearly and accurately to audience questions.

Sir M. Visvesvaraya Institute of Technology

Bangalore 562 157

Department of Civil Engineering

PROJECT PHASE 2 (17CVP85) – REVIEW EVALUATION				
Sl. No.	**Parameters**	**Strong (10)**	**Moderate (6-9)**	**Weak (<6 marks)**
1.	**Introduction and Literature Review**	In-depth knowledge about the topic. Clear and complete details, relevant, specific and thorough supporting evidence from literature	Sufficient details, adequate supporting evidence from literature	Inadequate Knowledge of the topic. Sufficient details, minimum supporting evidence
2.	**Precise definition of the problem, statement with objectives and scope**	Objectives are clear, focused and innovative. All objectives of the proposed work are well defined; Steps to be followed to solve the defined problem are clearly specified.	Good justification to the objectives; Methodology to befollowed is specified but detailing is not done	Incomplete justification to the objectives proposed;Steps are mentioned but unclear; without justification to objectives.
3.	**Design and develop appropriate procedures/methodologies based on the study objectives**	**Methodology** Employs an optimum method that efficiently leads to the desired results **Analysis:** Superior use of supporting techniques/tools in modeling, analyzing, and evaluating the design/analysis.	**Methodology** Employs a relevant method that leads to the desired results **Analysis:** Adequate use of supporting techniques/tools in modeling, analyzing, and evaluating the design/analysis.	**Methodology** Unable to identify effective solution methods, or employs methods that are inappropriate to the analysis **Analysis:** Unable to model, analyze & evaluate the preliminary design. No use of supporting techniques to evaluate the design.
4.	**Able to choose appropriate hardware/software tools and techniques to conduct the experiment**	**Technology** enhances the project in especially creative ways and/or in ways that greatly improve the quality of student skills, engagement and work **Advanced tools and techniques** were effectively used to develop project.	**Some technology** is used, but more could be added to build engagement & skills and improve the quality of student work **Advanced tools** and techniques were sufficiently used to develop project	**Technology** is not used, or is used inappropriately Advanced tools and techniques were minimally used to develop project.
5.	**Demonstrate an understanding of regulations, codes, and standards relevant to the discipline**	The project is highly innovative and has the potential to make a large contribution to the domain	The project is marginally innovative	The project lacks innovative content
6.	**Calculation /interpretation/ analysis**	**Project outcomes** Analysis is carried out correctly. Results are correct. **Interpretation of results** Results are critically reviewed for accuracy and meaning in a manner appropriate to the analysis	**Project outcomes** Analysis is carried out correctly. Results are correct and require improvement. **Interpretation of results** Results are reviewed for accuracy and meaning in a manner relevant to the analysis	**Project outcomes** Some errors in the application and calculations are present, but they are minor in nature. **Interpretation of results** Some discussions of results are present, but not in a critical manner appropriate to the analysis
7.	**Relevance to socio-economic and environmental aspect and apply moral & ethical principles as part of the team toward completion of project**	Complete understanding of environmental aspects. Adopted all the relevant ethical principles and practices in the execution of the project	Sound understanding of environmental aspects. Adopted the ethical principles and practices with insufficient understanding.	Environmental aspects are addressed ineffectively. Significant deficiencies in adopting ethical principles and practices.
8.	**Method of presentation (Clarity in the topic, fluency, originality, arrangement and delivery).**	**Oral Communication** Presenters are audible and fluent on their topic, and do not rely on notes to present or respond. **Written Communication** Report is well organized and clearly written. The underlying logic is clearly articulated and easy to follow.	**Oral Communication** Presenters are mostly audible and fluent on their topic, and require minimal referral to notes. **Written Communication** Report is organized and clearly written for the most part. In some areas, the logic or flow of ideas is difficult to follow.	**Oral Communication** Presenters are often inaudible or hesitant, often speaking in incomplete sentences. Presenters rely heavily on notes. **Written Communication** Report lacks an overall organization. Reader has to make considerable effort to understand the underlying logic and flow of ideas.
9.	**Contribution to the team towards progress/completion of the project.**	**Team worked** well together to achieve objectives. Members enjoyed interacting with each other and learned from each other.	**Team work**ed well together most of the time, with only a few occurrences of communication breakdown or failure to collaborate when appropriate.	**Team** did not collaborate or communicate well. Some members have worked independently, without regard to objectives or priorities.
10.	**Answering questions / Reasoning**	Presenters respond accurately and appropriately to audience questions and comments.	Presenters respond to most questions accurately and appropriately.	Presenters have difficulty responding clearly and accurately to audience questions.

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
BANGALORE-562157

AFFILIATED TO VTU . BELAGAVI| APPROVED BY AICTE, NEW DELHI| GOVT. OF KARNATAKA|
ACCREDITED BY NAAC UGC

DEPARTMENT OF CIVIL ENGINEERING

Presents

PROJECT EXHIBITION

06 AUGUST 2021
09:30 A.M

CASH PRIZES WILL BE AWARDED FOR THE WINNERS !!

CONVENOR	PRINCIPAL	CO-ORDINATOR
Prof. H P Mahendra Babu	**Dr. V R Manjunath**	**Mrs. Ramya N**
Prof. & Head, Dept of Civil Engineering		

	SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BANGALORE	RECORD FORMATS (ISO 9001:2008)
	Form No.: R/PP04/01	PROJECT BATCHES FOR THE ACADEMIC YEAR 2020-2021

SL NO	USN	NAME		GUIDE	SPECIALIZATION	Signature of Guide
1	1MV16CV048	Shubham Shinde	B1	Pradeepa .S	Structures Project	
	1MV16CV004	Amarjeet Kumar				
	1MV17CV030	Shekhar Rajput				
	1MV16CV031	Nikhil .K				
2	1MV17CV003	Akash S.	B2	Pradeepa .S & Ramya N	Structures Project	
	1MV17CV008	Darshan S.Banakar				
	1MV17CV009	Harish Kumar B.				
	1MV17CV025	Prajwal Kumar B.K				
3	1MV16CV027	Mukaram Ahmed	B3	ANITHA J & TAMIL SELVI N	Structures Project	
	1MV17CV027	Ritesh Sharma				
	1MV17CV032	Utkarsh Pratap Singh				
	1MV17CV037	Zahid Zahoor				
4	1MV17CV014	Mohammed Zakheer Hussain	B4	Anitha .J	Structures Project	
	1MV17CV019	Nikhil B.				
	1MV17CV036	Yashwanth K.S				
	1MV17CV041	Prasanna Bhusal				
5	1MV17CV017	Nandan H.J	B5	Anitha .J	Structures Project	
	1MV17CV024	Periyavaram Sandeep Reddy				
	1MV17CV029	Sai Ganesh C.N				
	1MV17CV021	Nithin .N				
6	1MV17CV040	Pavan Kumar .A	B6	Anitha .J & TAMIL SELVI N	Structures Project	
	1MV18CV411	Shiva Kumar S.L				
	1MV17CV043	Vivek K.T				
	1MV17CV022	P. Sheshhar				
7	1MV17CV011	Kumar Ankit	B7	Dr RAVI KUMAR H	Structures Project	
	1MV17CV015	Mrithunjay Jha				
	1MV17CV035	Vishwajeeth Robin Kalathil				
	1MV17CV026	Ramaswamy S.Iyer				

Prepared by: K V R PRASAD
Designation: Asso. Prof/Project Batches Incharge
Signature:

Approved by: H.P Mahendra Babu
Designation: Asso. Prof. & HOD
Signature:

	SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BANGALORE	RECORD FORMATS (ISO 9001:2008)
	Form No.: R/PP04/01	PROJECT BATCHES FOR THE ACADEMIC YEAR 2020-21

SL NO	USN	NAME		GUIDE	SPECIALIZATION	Signature of Guide
8	1MV15CV064	Suman Gowda N.A	B8	Dr Shivanna S	Water Resources Project	
	1MV17CV007	D.Sunil Reddy				
	1MV16CV020	M.Anwar Harris				
	1MV16CV028	Nachappa A.K				
9	1MV17CV004	Asha A.B	B9	Dr Shivanna S & Vyshnavi D R	Water Resources Project	
	1MV17CV005	Chandana M.R				
	1MV17CV018	Navya R.				
	1MV17CV028	Rithushree C.				
10	1MV17CV033	Vandana H.V	B10	Dr Shivanna S & Vyshnavi D R	Water Resources Project	
	1MV17CV034	Vathsala .N				
	1MV18CV400	Ashwin Ramagond Doddi				
	1MV17CV038	H.M Deepak Thippeswamy				
11	1MV18CV402	Balaji C.V	B11	Dr Shivanna S & Bhavya S	Water Resources Project	
	1MV18CV408	Manoj .P				
	1MV18CV405	Girish Kumar .A				
	1MV18CV410	Ravi Kumar G.M				
12	1MV18CV412	Shivaraj Sagumale	B12	Dr Shivanna S	Water Resources Project	
	1MV18CV404	Cheluvaraju .H				
	1MV18CV406	Kumarswamy B.D				
	1MV18CV407	Mahesha Kumar .K				
13	1MV17CV006	D.S Manoj	B13	K.V.R Prasad	Highway Project	
	1MV17CV016	Mustafa				
	1MV17CV001	Adithya K.A				
	1MV18CV409	Nikhilendra .N				
14	1MV17CV012	M. D. Jagannadha	B14	Bhavya S	Water Resources Project	
	1MV17CV042	Sudhakar				
	1MV18CV403	Basavaraj				

Prepared by : K V R Prasad	Approved by: H.P Mahendra Babu
Designation: Asst Prof/Project Batches In charge	Designation: Asso. Prof. & HOD
Signature:	Signature:

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

CIVIL ENGINEERING DEPARTMENT

REPORT ON PROJECT EXHIBITION 2020-21

Online Project Exhibition has been conducted on Friday 6th August 2021 in the Department of Civil Engineering through Online Platform (Google meet) [Video call link: https://meet.google.com/saj-jdyc-oiw] SIR MVIT Bangalore, as a token of encouragement & appreciation in which all students of VIII sem participated with lot of enthusiasm.

Project Exhibition was begin with Welcome note by Mrs.Ramya N, Later HOD Addressed the gathering, Introduction of External judges were done by Prof. K V R Prasad & Dr. H Ravi kumar Associate professors Dept of Civil Engg.

Sri H N Narendra Kumar, Professor&Head, Dept of Civil Engg SJBIT,Bangalore & Dr. M S Latha , Professor & Head Dept of Civil Engg SVCE ,Bangalore were invited to judge the event.

14 project batches have presented their project work through online. All 8th Sem students were actively participated in the competition & exposed their talent enthusiastically. It was basically self learning activity which brushed student communication and team work. Out of 14 batches 3 teams were rated the best. The details are as follows,

1st Prize (Rs 2000/)

Guide Name: Pradeepa S (B1)

USN & NAME	Tittle
1MV16CV048 Shubham Shinde 1MV16CV004 Amarjeet Kumar 1MV17CV030 Shekhar Rajput 1MV16CV031 Nikhil .K	Carbon dioxide as an accelerating admixture to concrete for enhanced strength and greener future

2nd Prize (Rs 2000/)

Guide Name: Anitha J(B6)

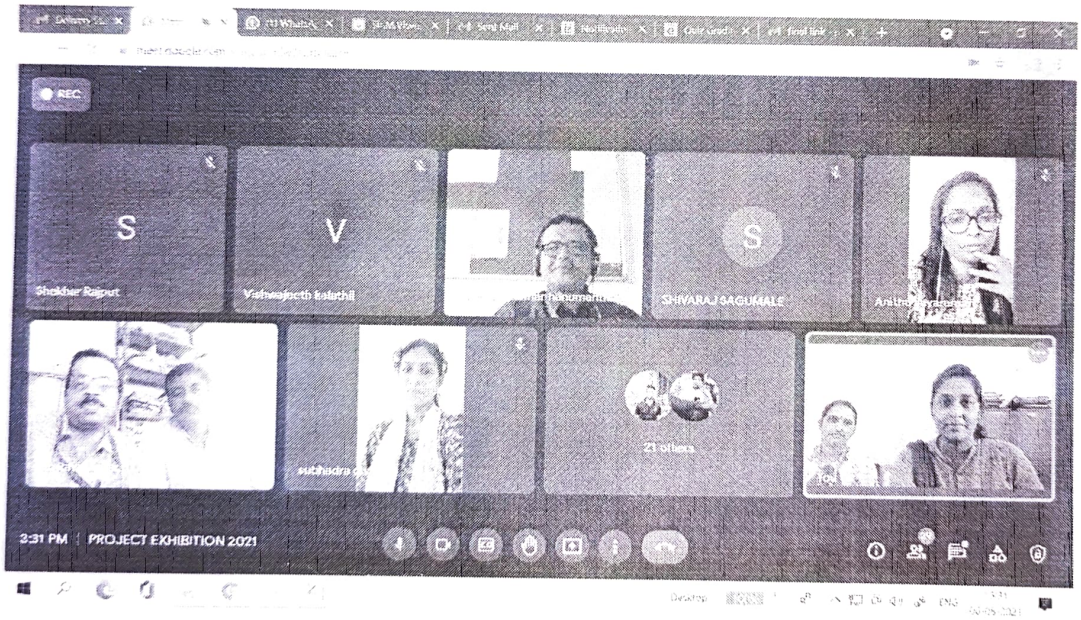
USN & NAME	Tittle
1MV17CV040 Pavan Kumar .A 1MV18CV411 Shiva Kumar S.L 1MV17CV043 Vivek K.T 1MV17CV022 P. Sheshhar	Utilization of waste plastic and Construction demolition waste in paver block

3rd Prize (Rs 2000/)

Guide Name: Dr. SHIVANNA S (B11)

USN & NAME	Tittle
1MV18CV402 Balaji C.V 1MV18CV408 Manoj .P 1MV18CV405 Girish Kumar .A 1MV18CV410 Ravi Kumar G.M	Management of Agricultural waste and soil Nutrification by Vermicomposting with earth worms

The program ended with distribution of participation certificates(through online feedback google form) along with announcement of winners and vote of thanks by Ramya N.



Project co-ordinator:

Ramya N 9/8/21

Professor & Head 9/8/21
Department of Civil Engineering
Dr. M. Visvesvaraya Institute of Technology
Bangalore-562 157.

DEPARTMENT OF BIOTECHNOLOGY

DEPARTMENT OF BIOTECHNOLOGY

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Presents

Online

Project Presentation Competition

10th July 2021 9.30AM and 1.30 PM

Jury Members

Dr Prasanna R Bhat
Bayer Crop Science

Dr Vijay Potluri
Syngene Amgen
R&D Center

Dr Yugandhar Reddy
Unilever India Pvt Ltd

CASH PRIZES & e-Certificates

Inputs from Industry Experts

Register@ https://forms.gle/bAviLFV5JQgzTgiEA

Join us @ https://meet.google.com/zfa-dcmh-uvi

PATRON	CONVENOR	COORDINATOR
Dr. V R Manjunath Principal	Dr. H G Nagendra Head of the Department Department of Biotechnology	Dr. Rashmi K V Assistant Professor Department of Biotechnology

Event Sponsored by Sri KET and AICTE-SPICES Program

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

Online Final Year Project Presenataion Competition – 10th July 2021
Report

Department of Biotechnology, Sir MVIT organized the annual Final Year Project Exhibition Competition on 10th July 2021 in online mode. There was total 12 projects which were presented by the final year BE-Biotechnology students in the form of PowerPoint presentations.

All the jury members evaluated the projects individually and given their valuable inputs to each team towards scaling their projects to better heights.

After the evaluation of all the projects both the jury members addressed the whole class and gave their suggestions and inputs. All the panellists appreciated the quality of the projects as well as the presentation skills of most of the students. Dr H G Nagendra, HoD, Department of Biotechnology, thanked the jury members.

The scores given by the jury members were compiled to finalize the best performing teams and below is the list of winners:

Prize	Name of the Student	USN	Title of the project
1st Prize Cash Prize: Rs 3000	AKSHATHA C	1MV17BT003	TOMATO CROP HEALTH EVALUATION
	SHWETA R	1MV17BT031	
2nd Prize Cash Prize: Rs 2000	JAHNAVI ZALKI	1MV17BT011	MATHEMATICAL APPROACH TOWARDS PRELIMINARY SCREENING OF COSMETIC INGREDIENTS TO ASSESS OCULAR IRRITANCY
3rd Prize Cash Prize: Rs 1000	APARNA SRINATH	1MV17BT007	ANALYSIS OF BIOCHEMICAL AND BIOACTIVE PROPERTIES OF WILD SEASONAL FRUITS
	DEEPIKA B	1MV17BT010	
	PRIYANKA M R	1MV17BT019	
3rd Prize Cash Prize: Rs 1000	PRATHEESHA	1MV17BT018	DEVELOPING A HERBAL BASED IMMUNE BOOSTING AND FOOD BASED FORMULATION
	RANGON DUTTA	1MV17BT021	
	SAHANA BT	1MV17BT023	
	SAHANA S	1MV17BT024	
3rd Prize Cash Prize: Rs 1000	DEEPIKA ANAND	1MV17BT009	EVALUATION OF ANTI-OSTEOPOROSIS ACTIVITY OF MUSHROOM VARIETIES ON RAT OSTEOBLAST CELLS - UMR106
	SAMEEKSHA JAYAM	1MV17BT025	

Dr Rashmi K V
Event Co-ordinator

Dr H G Nagendra

Dr H.G. Nagendra
Professor & Head
Department of Biotechnology
Sir M Visvesvaraya Institute of Technology
BANGALORE - 562157

DEPARTMENT OF MASTER BUSINESS ADMINISTRATION

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Affiliated to VTU, Belagavi | Approved by AICTE, New Delhi / Govt. of Karnataka | Accredited by NAAC UGC

DEPARTMENT OF MBA

REPORT ON Project Exhibition held on 28th June 2021

Department of Management Studies has organized the "Students Project Exhibition" on 8th September 2021. Final year students were participation of this exhibition.

No. of Students Participated: 105

Time: 9.30 AM – 3.00 PM

Venue:

MBA Department- Room No: 5B- 004, Room No: 5B- 005, Room No: 5B- 006

Details of the Jury Members:

1) Dr. Harish B S, Assistant Professor, NMIT, Bengaluru
2) Dr. Virupaksha Goud, Assistant Professor, Acharya Institute of Technology
3) Prof. Pavan Kumar G Kulkarni, Assistant Professor, NMIT, Bengaluru
4) Prof. Chandan L, Assistant Professor, RNSIT, Bengaluru

All the jury members evaluated all the 26 projects individually and given their valuable inputs to each team towards scaling their projects to better heights.

After the evaluation of all the projects both the jury members addressed the whole class and gave their suggestions and inputs. Panelists appreciated the quality of the projects as well as the presentation skills of most of the students.

SRI KRISHNADEVARAYA EDUCATIONAL TRUST
No. 16, Bailari Road, Sadashivanagar, Bengaluru – 560 080

Ref.No.KET/ 74 /250/2021-2022 Date: 12/07/2021

NOTE:

Sub: Financial assistance for conduct of project presentation competitions by final year students of UG branches of Engg. and

Ref: Letter from the Coordinator – Research Committee bearing No. VIT/DFF/G-73/2021-2022/255, dated 28/06/2021 with due recommendation of the Principal.

***

With reference to the above, financial assistance of Rs. 1,20,000/- (Rupees One Lakh Twenty Thousand only) is sanctioned as detailed below for conduct of project presentation competitions by final year students of UG branches of Engg. and PG courses, taking into account the number of projects, expected number of prizes and honcrarium to external Jury members of the Dept. of Civil Engg., Electrical & Electronics Engg., Bio-Technology and MBA. The said amount be drawn from Principals' S.B. A/c and reimbursement be claimed from this Office with bills and vouchers.

Sl. No.	Department	Number of projects	Number of External Jury Members	Number of prizes	Total amount sanctioned Rs.
01.	Bio-Tech.	18	02 (Rs. 2,000/- per Jury member x 2 Nos.) = Rs. 4,000/-	03 (Prize money Rs.2,000 x 3 students) = Rs. 6,000/-	10,000 (Rs. 4,000/- + Rs. 6,000/-)
02.	Comp. Sci. & Engg.	42	04*	06 (Prize money Rs.2,000 x 6 students) = Rs. 12,000/-	12,000
03.	Civil Engg.	20	02 (Rs. 2,000/- per Jury member 2 Nos.)=Rs. 4,000/-	03 (Prize money Rs.2,000 x 3 students) = Rs. 6,000/-	10,000 (Rs. 4,000/- + Rs. 6,000/-)
04.	Electrical & Electronics Engg.	33	04 (Rs. 2,000/- per Jury member 4Nos.)=Rs. 8,000/-	06 (Prize money Rs.2,000 x 6 students) = Rs. 12,000/-	20,000 (Rs. 8,000/- + Rs. 12,000/-)
05.	Electronics & Commn. Engg.	33	04**	06 (Prize money Rs.2,000 x 6 students) = Rs. 12,000/-	12,000
06.	Electronics & Telecommn. Engg.	16	02**	03 (Prize money Rs.2,000 x 3 students) = Rs. 6,000/-	6,000
07.	Information Sci. & Engg.	18	02*	03 (Prize money Rs.2,000 x 3 students) = Rs. 6,000/-	6,000
08.	Mech. Engg.	40	04**	06 (Prize money Rs.2,000 x 6 students) = Rs. 12,000/-	12,000
09.	Master of Comp. applications	64	03*	06 (Prize money Rs.2,000 x 6 students) = Rs. 12,000/-	12,000

Contd...2.

By RA

10.	Master of Business Administration	120	04 (Rs. 2,000/- per Jury member 4Nos.)=Rs. 8,000/-	04 (Prize money Rs.2,000 x 6 students) = Rs. 12,000/-	20,000 (Rs. 8,000/- + Rs. 12,000/-)
				Total:	1,20,000

Further, as requested, approval is also accorded to pay honorarium to the subject experts / Jury members pertaining to (*) CSE, ISE and MCA departments from CSI Chapter funds where as (**) ECE, ETE and ME departments subject experts / Jury members honorarium be paid from ISTE Chapter funds.

(K. SYAMA RAJU)
SECRETARY

To
The Principal,
Sir MVIT, Bengaluru.

Copy to:
1. All the concerned Heads of the Departments.
2. Accounts Officer, Sri KET, Bengaluru.

By Bil.

Sir M Visvesvaraya Institute of Technology

Department of MBA

REF. NO. MBA/ 222 /2020-21 **Date: 16/09/2021**

To,
The Principal,
Sir MVIT,
Bengaluru.

Respected Sir,

Sub: Financial assistance of Project Exhibition been conducted on September 8th 2021 to Final Year PG MBA Students, **Ref. No.VIT/OFF/G-73/2021-2022/255, dated on 28.06.2021** with due recommendation of Principal.

With reference to the above subject, virtual project exhibition was conducted on September 8th 2021 by the Department of MBA at Sir MVIT. The following were the details of External Panel and their remuneration, Prizes declared to the Students.

Sl. No.	Name	Designation	College	Remuneration & Account Details
1	Dr. Harisha B S	Assistant Professor, Dept. of MBA	NMIT, Bengaluru	**Remuneration Amount:** 2000/- **Name:** Harisha B S **A/c No:** 921010007006673 **Bank:** Axis Bank **IFSC:** UTIB0004648 **Branch:** Amruthalli Kt, Bangalore **Mobile No.** 9741179000 **Mail ID:** harishgowda22@gmail.com
2	Dr. Virupaksha Goud	Associate Professor, Dept. of MBA	Acharya Institute of Technology, Bengaluru.	**Remuneration Amount:** 2000/- **Name:** Virupaksha Goud G **A/c No:** 002291900042370 **Bank:** Yes Bank **IFSC:** YESB0000022 **Branch:** Kasturba Road, Bangalore **Mobile No:** 9886214141 **Mail ID:** virupakshag@acharya.ac.in

3	Prof. Pavankumar G Kulkarni	Assistant Professor, Dept. of MBA	NMIT, Bengaluru	**Remuneration Amount:** 2000/- **Name:** Pavankumar G Kulkarni **A/c No:**0418104000090757 **Bank:** IDBI **IFSC:** IBKL0000418 **Branch:** Rajkumar Road, Bangalore **Mobile No:** 9844477348 **Mail ID:** pavankumar.kulkarni@nmit.ac.in
4	Prof. Chandan L	Assistant Professor, Dept. of MBA	RNSIT, Bengaluru	**Remuneration Amount:** 2000/- **Name:** Chandan L **A/c No:** 15610100120368 **Bank:** Federal Bank **IFSC:** FDRL0001561 **Branch:** Krishnarajapuram, Bangalore **Mobile No:** 8904191990 **Mail ID:** chandan.ly5@gmail.com

List of Prizes Declared to the Students:

Sl. No.	Name & USN	Sem & Specialization	Secured Prize	Prize Amount & Account Details
Batch - 01				
1	ADITYA P S – 1MV19MBA03	IV- Finance	1st Prize	**Prize Amount:** 1,200/- **Name:** Aditya PS **A/c No:** 64144250905 **Bank:** SBI **IFSC:** SBIN0040605 **Branch:** Mathikere **Mobile No:** 9844718589 **Mail ID:** adityaps2202@gmail.com
2	PRIYA C - 1MZ19MBA02	IV- Finance	2nd Prize	**Prize Amount:** 800/- **Name:** Pruthvi C **A/c No:** 39902328224 **Bank:** SBI **IFSC:** SBIN0016295 **Branch:** Yemalur Branch **Mobile No:** 9886110369 **Mail ID:**
3	SUBHICSHA M - 1MZ19MBA30	IV- Finance	3rd Prize	**Prize Amount:** 500/- **Name:** Subhicsha M **A/c No:** 34763031711 **Bank:** SBI **IFSC:** SBIN0005931 **Branch:** Madras Engg Group & Centre **Mobile No:** 8050168441 **Mail ID:** subhicshamk@gmail.com
Batch - 02				
1	ABHILASH.S - 1MV19MBA02	IV - Marketing	1st Prize	**Prize Amount:** 1,200/- **Name:** Abhilash S **A/c No:** 145210100064236 **Bank:** Andra Bank **IFSC:** ANDB0001452 **Branch:**, YELAHANKA **Mobile No:** 8050322764 **Mail ID:** abhilashs623@gmail.com

2	NAZIYA.M - 1MV19MBA52	IV- Finance	2nd Prize	**Prize Amount:** 800/- **Name:** NAZIYA M **A/c No:** 5945483154 **Bank:** Kotak Mahindra Bank **IFSC:** KKBK0008083 **Branch:** Thannisandra **Mobile No:** 8088933655 **Mail ID:** mnaziya52@gmail.com
3	PRIYANKA C - 1MZ19MBA04	IV- Finance	3rd Prize	**Prize Amount:** 500/- **Name:** Priyanka C **A/c No:** 1972500101733201 **Bank:** Karnataka bank **IFSC:** KARB0000197 **Branch:** Devanahalli **Mobile No:** 8951299550 **Mail ID:** Priyankapatelmclaren@gmail.com
Batch - 03				
1	NISHA A - 1MV19MBA53	IV- HR	1st Prize	**Prize Amount:** 1,200/- **Name:** Nisha A **A/c No:** 5640101006927 **Bank:** Canara Bank **IFSC:** CNRB0005640 **Branch:**, Chickabalapura **Mobile No:** 9148823116 **Mail ID:** nishalu1998@gmail.com
2	RAKSHITHA.C - 1MZ19MBA11	IV - Marketing	2nd Prize	**Prize Amount:** 800/- **Name:** Rakshitha C **A/c No:** 37090173440 **Bank:** State Bank of India **IFSC:** SBIN0041028 **Branch:**, PERESANDRA **Mobile No:** 7829222025 **Mail ID:** rakshitha.archi18@gmail.com

3	RAKESH H V - 1MZ19MBA10	IV - Marketing	3rd Prize	**Prize Amount:** 500/- **Name:** Rakesh H V **A/c No:** 6707010002328 **Bank:** Bank of Baroda **IFSC:** BARBOVJMYHA **Branch:** Mylanahalli **Mobile No:** 9513273916 **Mail ID:** rakeshnayak7993@gmail.com
Batch - 04				
1	VIDHYASHREE N A - 1MZ19MBA39	IV - HR	1st Prize	**Prize Amount:** 1,200/- **Name:** Pavithra N A **A/c No:** 346322010000038 **Bank:** Union Bank **IFSC:** UBIN0934631 **Branch:**, Shiva rama Karanth Nagar **Mobile No:** 7019924150 **Mail ID:** vidhyashreegowda191999@gmail.com
2	LEWINSHKY D MONICA - 1MV19MBA38	IV - HR	2nd Prize	**Prize Amount:** 800/- **Name:** Leena Vasantha Kumari **A/c No:** 74610100012044 **Bank:** Bank of Baroda **IFSC:** BARBOVJRANA **Branch:** Ramamurthy nagar **Mobile No:** 9739298295 **Mail ID:** lewinshky1999@gmail.com
3	PRINCY SHARON - 1MZ19MBA01	IV - HR	3rd Prize	**Prize Amount:** 500/- **Name:** PRINCY SHARON N **A/c No:** 048926100071 49 **Bank:** Canara Bank **IFSC:** CNRB0000033 **Branch:** Ramamurthy Nagar **Mobile No:** 9008771716 **Mail ID:** princysharonps@gmail.com

Total Remuneration to the External Panel	**Rs. 8,000**
Total Prize Amount to the Students	**Rs. 10,000**
Lunch and Coffee	**Rs. 2,000**
Total	**Rs. 20,000**

Requesting you to kindly remit the money to the External Examiners and Prize Winners.

Project Coordinator

HOD

Encl: 1) Trust Approval
2) Bill no: 2133 - Mohan shop
3) Sir MVIT & KCD's Men Hostel Bill no: 1156

Sir M Visvesvaraya Institute of Technology

Department of Management Studies

List of Guides for the Project work (18MBAPR407)

1. Dr. G Srinivasa, Associate Prof & HOD (FINANCE)

1	1MV19MBA03	ADITYA P S
2	1MV19MBA15	BHAVANA S
3	1MV19MBA45	MEGHANA KN
4	1MZ19MBA30	SUBHICSHA M

2. Mrs Ashwini A, Assistant Professor (FINANCE)

1	1MV19MBA01	ABDUL QADAR
2	1MV19MBA05	AJAY C
3	1MV19MBA06	AJITH K
4	1MV19MBA23	CHINTHALA PAVITHRA
5	1MV19MBA25	G. RAMYA
6	1MV19MBA59	PRASAD NARAYANA HEGDE
7	1MZ19MBA02	PRIYA C
8	1MZ19MBA38	VARUN L

3. Mr. Kiran S, Assistant Professor (FINANCE)

1	1MV19MBA28	HEMANTH V
2	1MV19MBA52	NAZIYA.M
3	1MZ19MBA04	PRIYANKA C
4	1MZ19MBA06	PRUTHVI KUMAR K R
5	1MZ19MBA08	RAGHU V BIRADAR PATIL
6	1MZ19MBA13	RAMAN KUMAR C H

7	1MZ19MBA24	SEELAM VINAY
8	1MV19MBA49	NAGARTAHNA MANJUNATH BHAT

4. Mr. Karthik S V, Assistant Professor (Finance)

1	1MV19MBA09	ANUSHA. K
2	1MV19MBA14	BHARADWAJ EL
3	1MV19MBA18	CHANDRASHEKAR N
4	1MV19MBA19	CHANDRASHEKARA J V
5	1MV19MBA20	CHANDRIKA .M
6	1MV19MBA24	DILIP. N
7	1MV19MBA31	K UMESH
8	1MV19MBA13	BHAGATH KUMAR H P
9	1MV19MBA55	PALLAVI S R

5. Mr. Mahesh N, Assistant Professor (Finance)

1	1MV19MBA40	MADHU M N
2	1MV19MBA48	NAGARAJ JOSHI
3	1MV19MBA58	PRADEEP SR
4	1MZ19MBA33	SWETHA K R
5	1MZ19MBA35	VAIBHAV R
6	1MZ19MBA36	VAISHALI REDDY. M
7	1MZ19MBA41	VIJAYLAXMI N OMKAR
8	1MZ19MBA42	VIKASA M B

9	1MZ19MBA45	YASHWANTH N

6. Dr. Lakshmi.H, Assistant Professor (Marketing)

1	1MV19MBA02	ABHILASH.S
2	1MV19MBA12	ARUNKUMAR.M
3	1MV19MBA16	C. JAGADEESH VARMA
4	1MV19MBA21	CHANDU.C
5	1MV19MBA26	GAGAN S
6	1MV19MBA27	HARINATH S
7	1MV19MBA32	KAMBHAM HARSHITH KUMAR REDDY
8	1MV19MBA35	KEERTHAN M J
9	1MV19MBA36	KEERTHINI M H
10	1MV19MBA37	LAVANYA N
11	1MV19MBA29	JASWANTH GOWDA
12	1MZ19MBA32	SUSHMITHA N
13	1MZ19MBA11	RAKSHITHA.C

7. Mrs. Tania Thomas, Assistant Professor (Marketing)

1	1MV19MBA41	MADHU S
2	1MV19MBA56	PAVAN KUMAR R
3	1MV19MBA60	PRASHANTH A
4	1MZ19MBA10	RAKESH H V
5	1MZ19MBA12	RAMACHANDRA. N
6	1MZ19MBA16	RANJITH H
7	1MZ19MBA22	ROHITH V
8	1MZ19MBA23	SACHIN

9	1MZ19MBA29	SUBBIREDDY HT
10	1MZ19MBA34	THEJAS. K
11	1MZ19MBA37	VARUN KUMAR S
12	1MZ19MBA20	ROHAN B R
13	1MV19MBA33	KARTHIK V
14	1MZ19MBA44	YASHWANTH H K

8. Dr. Harish B S, Assistant Professor (HR)

1	1MV19MBA04	AISHWARYA A KARADI
2	1MV19MBA07	AJITH KUMAR
3	1MV19MBA08	AKASH
4	1MV19MBA10	ANUSHA. S
5	1MV19MBA11	ARPITHA BA
6	1MV19MBA17	CHAITANYA KUMAR
7	1MV19MBA30	K HIMA BINDU
8	1MZ19MBA43	Y K DIVYA
9	1MZ19MBA17	RANJITHA O
10	1MV19MBA34	KAVYA D R
11	1MV19MBA38	LEWINSHKY D MONICA

9. Mrs. Deepthi J R, Assistant Professor (HR)

1	1MV19MBA39	LOKESHA G
2	1MV19MBA42	MALLIKARJUN V
3	1MV19MBA43	MANASA. K
4	1MV19MBA44	MANJUNATHA V
5	1MV19MBA46	MEGHANA R
6	1MV19MBA47	MONISHA C
7	1MV19MBA50	NANDINI B
8	1MV19MBA51	NANDU S R
8	1MV19MBA53	NISHA A

9	1MV19MBA57	POOJA D
10	1MZ19MBA01	PRINCY SHARON
11	1MV19MBA54	PALLAVI M
12	1MZ19MBA09	RAJESH G
13	1MZ19MBA15	RAMYASHREE M

10. Mrs. Srilakhmi V R Assistant Professor (HR)

1	1MZ19MBA03	PRIYA PAILY
2	1MZ19MBA05	PRIYANKA P S
3	1MZ19MBA14	RAMYA V
4	1MZ19MBA18	RASHMI A
5	1MZ19MBA19	RASHMI. GN
6	1MZ19MBA21	ROHIT KADI
7	1MZ19MBA26	SOWMYA A
8	1MZ19MBA27	SOWMYASHREE K M
9	1MZ19MBA28	SRIJA H R
10	1MZ19MBA31	SUPRIYA K R
11	1MZ19MBA39	VIDHYASHREE N A
12	1MZ19MBA25	SHILPA N
13	1MZ19MBA40	VIJAY B

PROJECT EXHIBITION
ACADEMIC YEAR
2019 – 2020

Sir M Visvesvaraya Institute of Technology, Bengaluru-562157

Department of Electrical & Electronics Engineering

18.07.2018
Bengaluru

To

Mr. R. Sivapriyan
Associate Professor
Department of Electrical and Electronics Engineering
Sir MVIT
Bengaluru-562157

Respected Sir,

Subject: Project Coordinator & Project Exhibition Coordinator allotment letter - reg.

This is to inform you , that further to the discussion we had, you have been allotted as Project Coordinator as well as the c Project Exhibition coordinator for final year students of Electrical and Electronics department.

Thanking You

Yours Sincerely

Dr.H.L.Suresh
Prof & Head

PROF. & HEAD
DEPT. OF ELECTRICAL & ELECTRONICS ENGG.
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevarayanagar, Hunsemaranahalli
(Via) Yelahanka, Bengaluru - 562 157

Department of Electrical and Electronics Engineering,
Sir M. Visvesvaraya Institute of Technology, Bangalore – 562 157

RUBRICS FOR 8TH SEMESTER B.E PROJECT EVALUATION

Rubrics Review

Review #	Agenda	Assessment	Review Assessment Weightage	Over all Weightage
Review 1	Project Synopsis / Proposal Evaluation	Rubric R1	10	100% (100)
Review 2	Mid-Term Project Evaluation	Rubric R2	20	
Review 3	End Semester Internal Project Evaluation	Rubric R3	20	
Review 4	Project Report Evaluation	Rubric R4	50	

Rubric #R1: Project Synopsis/Proposal Evaluation

Maximum Marks*: 10

Level of Achievement						
		Excellent (10)	**Good (8)**	**Average (6)**	**Poor (4)**	**Score**
a	**Identification of Problem Domain and Detailed analysis of Feasibility, Objectives and Methodology of Project Proposal**	•Detailed and extensive explanation of the purpose and need of the project •Detailed and extensive explanation of the specifications and the limitations of the existing systems •All objectives of the proposed work are well defined; Steps to be followed to solve the defined problem are clearly specified	•Good explanation of the purpose and need of the project •Collects a great deal of information and good study of the existing systems; •Good justification to the objectives; Methodology to be followed is specified but detailing is not done	•Average explanation of the purpose and need of the project; •Moderate study of the existing systems; collects some basic information •Incomplete justification to the objectives proposed; Steps are mentioned but unclear; without justification to objectives	•Moderate explanation of the purpose and need of the project •Explanation of the specifications and the limitations of the existing systems not very satisfactory; limited information •Only Some objectives of the proposed work are well defined; Steps to be followed to solve the defined problem are not specified properly	

Rubric #R2: Mid-term Project Evaluation

Maximum Marks*: 20

Level of Achievement						
		Excellent (5)	**Good (4)**	**Average (3)**	**Poor (2)**	**Score**
a	**Design Methodology**	• Division of problem into modules and good selection of computing framework • Appropriate design methodology and properly justification	• Division of problem into modules and good selection of computing framework • Design methodology not properly justified	• Division of problem into modules but inappropriate selection of computing framework • Design methodology not defined properly	• Partial division of problem into modules and inappropriate selection of computing framework • Design methodology not defined properly	
b	**Planning of Project Work**	• Time frame properly specified and being followed	• Time frame properly specified but being followed partly	• Time frame properly specified, but not being followed	• Time frame not properly specified	
c	**Demonstration**	• Objectives achieved as per time frame • Proper eye contact with audience and clear voice with good spoken language	• Objectives achieved as per time frame • Satisfactory demonstration, clear voice with good spoken language but eye contact not proper	• Objectives achieved as per time frame • Eye contact with few people and unclear voice	• Objectives not achieved as per time frame • Demonstration not satisfactory	
d	**Presentation**	• Contents of presentations are appropriate and well arranged	Contents of presentations are appropriate but not well arranged	• Contents of presentations are appropriate but not well arranged	• Contents of presentations are not appropriate	

Rubric #R3: End Semester Internal Project Evaluation

Maximum Marks*: 20

		Level of Achievement				
		Excellent (10)	**Good (8)**	**Average (6)**	**Poor (4)**	**Score**
a	**Incorporation of Suggestions**	Changes are made as per modifications suggested during mid term evaluation and new innovations added	Changes are made as per modifications suggested during mid term evaluation and good justification	All major changes are made as per modifications suggested during mid term evaluation	Suggestions during mid term evaluation are not incorporated	
b	**Project Demonstration**	• All defined objectives are achieved • Each module working well and properly demonstrated • All modules of project are well integrated and system working is accurate	• All defined objectives are achieved • Each module working well and properly demonstrated • Integration of all modules not done and system working is not very satisfactory	• All defined objectives are achieved • Modules are working well in isolation and properly demonstrated • Modules of project are not properly integrated	• Only some of the defined objectives are achieved • Modules are not in proper working form that further leads to failure of integrated system	
c	**Presentation**	• Contents of presentations are appropriate and well delivered	• Contents of presentations are appropriate and well delivered	• Contents of presentations are appropriate but not well delivered	• Contents of presentations are not appropriate and not well delivered	
d	**Communication**	• Proper eye contact with audience and clear voice with good spoken language	• Clear voice with good spoken language but less eye contact with audience	• Eye contact with only few people and unclear voice	• Poor eye contact with audience and unclear voice	

Rubric #R4: Project Report Evaluation

Maximum Marks*: 50

		Level of Achievement				
		Excellent (10)	**Good (8)**	**Average (6)**	**Poor (4)**	**Score**
a	**Project Report**	• Project report is according to the specified format	• Project report is according to the specified format	• Project report is according to the specified format but some mistakes	• Project report not prepared according to the specified format	
b	**Description of Concepts and Technical Details**	• Complete explanation of the key concepts and strong description of the technical requirements of the project	• Complete explanation of the key concepts but in-sufficient description of the technical requirements of the project	• Incomplete explanation of the key concepts and in-sufficient description of the technical requirements of the project	• Inappropriate explanation of the key concepts and poor description of the technical requirements of the project	
c	**Conclusion and Discussion**	• Results are presented in very appropriate manner • Project work is well summarized and concluded	• Results are presented in good manner • Project work summary and conclusion not very appropriate	• Results presented are not much satisfactory • Project work summary and conclusion not very appropriate	• Results are not presented properly • Project work is not summarized and concluded	
d	**Future extension**	• Future extensions in the project are well specified	• Future extensions in the project are specified	• Future extensions in the project are not specified	• Future extensions in the project are not specified	
e	**Reference**	• References and citations are appropriate and well mentioned	• References and citations are appropriate but not mentioned well	• some mistakes • In-sufficient references and citations	• References and citations are not appropriate	

Assessment

Category/ Dimensions	4 (Exceeds Standards)	3 (Meets Standards)	2 (Partially Meets Standards)	1 (Does Not Meet Standards)	*Points*
Problem Statement	Problem statement shows full understanding of the problem and clearly includes final design deliverables	Problem statement shows some understanding of the problem and includes most of the final design deliverables	Problem statement shows little understanding of the problem and few design deliverables are included	No problem statement and no design deliverables.	
Procedure	Clear definition of solution, procedure and methods. Different alternatives are considered and evaluated.	Solution procedure and methods are not always clearly defined. Few alternative designs are evaluated.	Outlines a general procedure but does not clearly identify methods. No alternative designs are given.	No procedure, tries things out unsystematically	
Final Design	Final design demonstrates effective use of design process, engineering standards, economics to satisfy design objectives and real-word constraints	Final design demonstrates some use of design process, engineering standards, economics to satisfy some design objectives and real-word constraints	Final design demonstrates little use of design process, engineering standards, economics to satisfy few design objectives and real-word constraints	Final design does not demonstrate the use of any design process, engineering standards, economics to satisfy any design objectives and real-word constraints	

ELECTRICAL ENGINEERING FINAL YEAR PROJECT GROUP LIST – AY – 2019 - 2020

Sl.No.	Batch	USN	Name	TOPIC	Guide
1	G1	1MV16EE019	B SHASHIDHAR REDDY	IOT BASED SMART CROP FIELD MONITORING AND AUTOMATION IRRIGATION SYSTEM	CVM
2		1MV16EE022	BHARGAV S REDDY		
3		1MV16EE024	DAWOOD KHAN		
4		1MV16EE032	HARSHA N		
5	G2	1MV16EE002	ABHISHEK MAHENDROO	OBSTACLE AVOIDING VEHICLE	JBB
6		1MV16EE009	AMAN SINHA		
7		1MV16EE013	ANURAG RAJ		
8		1MV16EE025	DEBLEENA BISWAS		
9	G3	1MV16EE044	KIRAN B S	DIGITAL SIMULATION OF ELECTRICAL LAB	RSP
10		1MV16EE050	MADAN R		
11		1MV16EE052	MANOJ S		
12		1MV16EE063	NISHANTH D M		
13	G4	1MV16EE064	NITU KUMARI	SINGLE-PHASE MULTI-CELL AC-DC CONVERTER WITH OPTIMISED CONTROLLER AND PASSIVE FILTER PARAMETERS	NKR
14		1MV16EE067	POULAMI ROY		
15		1MV16EE068	PRABHAT KUMAR		
16		1MV16EE115	VAGEESHA		
17	G5	1MV15EE024	CHAITRA RAO	HYBRID ELECTRIC VEHICLE WITH SUN TRACKING SYSTEM	HLS
18		1MV16EE010	ANSHU		
19		1MV16EE011	ANSHUMAN SRIVASTAVA		
20		1MV16EE093	SHAYERI BANERJEE		
21	G6	1MV16EE036	ISHA	IoT Based Vehicle Accident Detection and Tracking System Using GPS Modem	KSR
22		1MV16EE125	SUDIPA DAS		
23		1MV17EE400	ABIDESH KUMAR		
24		1MV17EE416	RAJNISH SHARMA		
25	G7	1MV16EE016	AYUSH AGRAWAL	WIRELESS POWER TRANSMISSION	DB
26		1MV16EE028	DUSHYANT RANAWAT		
27		1MV16EE041	KAUTUK SRIVASTAVA		
28		1MV16EE069	PRAFUL		
29	G8	1MV16EE008	AKSHAY H	REAL TIME MONITORING OF SOLAR HOME SYSTEMS	CVM
30		1MV16EE119	VINEETH G D		
31		1MV16EE122	DEEPTHI R		
32		1MV16EE418	SRIKANTH S		
33	G9	1MV16EE055	MOHAMMAD NEHAL SAYIB	*REAL TIME MONITORING OF SOLAR HOME SYSTEMS*	BT
34		1MV16EE059	NAYANIKA RANJAN		
35		1MV16EE074	PREET KAMAL		
36		1MV16EE080	RAJAT PRAKASH		
37	G10	1MV15EE014	ARPAN BISWAS	AUTOMATIC SYSTEM FOR RAIN WATER HARVESTING AND REUSE OF WATER	RTM
38		1MV15EE088	SOURABH SINHA		
39		1MV15EE109	T UZAIR AHAMED		
40		1MV16EE057	MUKUND KUMAR		

ELECTRICAL ENGINEERING FINAL YEAR PROJECT GROUP LIST – AY – 2019 - 2020

Sl.No.	Batch	USN	Name	TOPIC	Guide
41	G11	1MV16EE081	RAJATH B A	ILLEGAL POWER TAPPING AND FAULT DETECTION USING EMBEDDED SYSTEM	PS
42		1MV16EE087	SAMEER AHMED		
43		1MV16EE120	VINOD BASAPPA HOSAKOTI		
44		1MV17EE415	RAJITH R		
45	G12	1MV16EE076	RACHIT SAHAY	GSM BASED POWER THEFT DETECTION	RCP
46		1MV16EE086	SAMARTH RAIPURIYA		
47		1MV16EE099	SHUBHRANSHU PANDEY		
48		1MV16EE100	SIDDHANT SOLANKI		
49	G13	1MV16EE089	SARASWATHI G U	ACCIDENT PREDICTOR USING IMAGE PROCESSING, INTERCEPTING, CAN PROTOCOL AND PATH PREDICTING	NMS
50		1MV16EE094	SHEETHAL		
51		1MV16EE102	SONAM G		
52		1MV16EE112	V BHAVANA		
53	G14	1MV16EE065	P MOUNIKA	Smart Car: An IoT Based Accident Detection System and anti-theft detection	RS
54		1MV16EE091	SHAIK SOUBIA KULSUM		
55		1MV16EE113	V SIRI CHANDANA		
56		1MV16EE415	RANI M T		
57	G15	1MV16EE075	PRERANA GUPTA	DC-DC CONVERTER MODELING AND SIMULATION USING STATE SPACE APPROACH	KSR
58		1MV16EE079	RAJANI		
59		1MV16EE114	VADATTI SHWETHA		
60		1MV17EE414	PUSHPAVATHI G		
61	G16	1MV16EE043	KAVYASHRI S N	Applications of Python in Electrical Engineering	RSP
62		1MV16EE047	LEKHANA KENCHANA		
63		1MV16EE058	N SRAVYA		
64		1MV16EE060	NETAL A KHANDELWAL		
65	G17	1MV16EE006	AKSHATHA K L	Applications of ANDROID in Electrical Engineering	RSP
66		1MV16EE007	AKSHATHA T R		
67		1MV16EE031	HARIJYOTHI M		
68		1MV16EE038	K MANISHA RAO		
69	G18	1MV16EE085	S R NIVRUT ABHISHEK	Health monitoring and tracking system for soldiers using IoT	MKG
70		1MV16EE106	SURYA K		
71		1MV16EE116	VARUN K		
72		1MV17EE421	SHASHANKA M		
73	G19	1MV15EE048	CHETHAN M R	*Password Based Circuit Breaker*	MSS
74		1MV17EE405	JAYASIMHA PAVAN M		
75		1MV17EE406	KALLAPPA AVATE		
76		1MV17EE412	PRASHANTH		
77	G20	1MV17EE403	DARISHINI D	WIRELESS NOTICE BOARD USING GSM	HLS
78		1MV17EE404	GEETHANJALI		
79		1MV17EE409	MANJUVANI K		
80		1MV17EE419	SAHANA M		

ELECTRICAL ENGINEERING FINAL YEAR PROJECT GROUP LIST – AY – 2019 - 2020

Sl.No.	Batch	USN	Name	TOPIC	Guide
81	G21	1MV16EE107	SUTIRTHA GHOSH	DUAL AXIS SOLAR TRACKING SYSTEM using Arduino gsm and weather sensors	BC
82		1MV16EE117	VARUN KT MENON		
83		1MV17EE422	SHREENIVASA H		
84	G22	1MV16EE005	AINDRILA SINHA	Analysis of Grid tied solar Photovoltaic system	HLS
85		1MV16EE033	HARSHITH D		
86		1MV16EE037	K AJAYKUMAR		
87		1MV16EE040	KARTHIK G		
88	G23	1MV16EE042	KAVITHA KATTIMANI	Power Quality Enhancement in an Isolated Power System Using Series Compensation	MKG
89		1MV16EE046	KOTLO VIDYA REDDY		
90		1MV16EE054	MEGHA J KANTHI		
91		1MV16EE124	MOMINA TAJ		
92	G24	1MV16EE070	PRAJWAL KUMAR SHINDE	A GENERALIZED APPROACH TO THE LOAD FLOW ANALYSIS OF AC DC HYBRID DISTRIBUTION SYSTEMS	MSS
93		1MV16EE123	NANDAN T C		
94		1MV17EE401	AVINASH M		
95		1MV17EE417	RAKESH NAIK P		
96	G25	1MV16EE071	PRAMOD KUMAR	ELECTROCNIC DIFFERENTIAL SYSTEM FOR ELECTRIC VEHICLES	MSS
97		1MV16EE088	SANJAYA S SHASTRY		
98		1MV16EE118	VIJAY NINGANURE		
99		1MV17EE402	CHETHAN K S		
100	G26	1MV16EE097	SHUBHAM KUMAR	IOT BASED WILDLIFE MONITORING, VIRTUAL FENCING WITH DEFORESTATION	NMS
101		1MV16EE098	SHUBHAM KUMAR		
102		1MV16EE103	SOURABH MALVIYA		
103		1MV16EE121	VISHWAJEET KUMAR		
104	G27	1MV16EE078	RAHUL KUMAR	Automatic Ambulance Rescue System	RRK
105		1MV16EE082	RISHU RANJAN		
106		1MV16EE090	SATYAM ANAND		
107		1MV16EE092	SHASHANK SANJEEV		
108	G28	1MV16EE017	B PRIYADARSHINI	Battery Management System	MKG
109		1MV16EE018	B SAI RAGHAVENDRA KAPIL		
110		1MV16EE021	BHARATH S R		
111		1MV16EE048	LIKITHA CH		
112	G29	1MV15EE108	SUYASH MASKARA	Automation in Agricultural Practices	DB
113		1MV15EE111	TANMAY KISHORE		
114		1MV16EE061	NIHAL		
115		1MV16EE066	PALLAVI		
116	G30	1MV16EE020	BASAPPA KUDAGI	SMART FUEL INDICATOR	VNA
117		1MV16EE045	KIRTHAN BM		
118		1MV17EE408	LOKESH K		
119		1MV17EE410	MITHUN N		

ELECTRICAL ENGINEERING FINAL YEAR PROJECT GROUP LIST – AY – 2019 - 2020

Sl.No.	Batch	USN	Name	TOPIC	Guide
120	G31	1MV16EE001	AAYUSH	HOME AUTOMATION BY ANDROID	KBV
121		1MV16EE004	ADITYA PRIYADARSHI		
122		1MV16EE014	ASISH ROUT		
123		1MV16EE015	AVINASH KUMAR		
124	G32	1MV16EE073	PRAVEEN KUMAR R	APPLICATION OF ELECTRICAL TECHNOLOGY IN SMART SYSTEM	PS
125		1MV17EE413	PUSHPA S		
126		1MV17EE418	RESHMABANU		
127		1MV17EE423	SUNIL KUMAR K		
128	G33	1MV15EE080	ROCHIT KUMAR	CAR BATTERY CHARGING SYSTEM USING HYBRID POWER	AC
129		1MV15EE087	SAURABH KUMAR SINGH		
130		1MV15EE089	SHASHANK DUBEY		
131		1MV15EE091	SHASWAT RAJ		
132	G34	1MV16EE029	GANESH SHANKAR	FOREFINGER CONTROLLED ROBOTIC WHEELCHAIR USING MEMS SENSOR	RS
133		1MV16EE039	KARAN JAISWAL		
134		1MV16EE072	PRATEEK GUPTA		

GUIDE DETAILS		
HLS	Dr. H. L. SURESH	PROFESSOR
MKG	Dr. MAHESH	PROFESSOR
MSS	Dr. M.S. SURESH	ASSOC. PROF.
CVM	Dr. C.V. MOHAN	ASSOC. PROF.
DB	D. BEULA	ASSOC. PROF.
RS	Dr. R. SUBHA	ASSOC. PROF.
RSP	R. SIVAPRIYAN	ASSOC. PROF.
NMS	NANDA M.S	ASST. PROF.
PS	P. SUMALATHA	ASST. PROF.
RRK	REKHA .R.K	ASST. PROF.

GUIDE DETAILS		
KSR	KUMARASWAMY .R	ASST. PROF.
BT	BINDYA TYAGI	ASST. PROF.
AC	ANCHAL. C	ASST. PROF.
JBB	JANKI B B	ASST. PROF.
RCP	RAGASUDHA	ASST. PROF.
VNA	VIDYA N A	ASST. PROF.
NKR	NITIN KUMAR REDDY	ASST. PROF.
RTM	RESHMA T M	ASST. PROF.
KBV	KIRAN B V	ASST. PROF.
BC	BHASKAR C	ASST. PROF.

PROJECT EXHIBITION
ACADEMIC YEAR
2018 – 2019

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

0306/2019

To

Mrs.Poongothai C,

Assistant Professor,

Department of ECE

Sir MVIT, Bengaluru

Dear Madam,

Sub: Project Exhibition coordinator allotment letter- reg.

This is to inform you, that further to the discussion we had, you have been allotted as Coordinator for Project exhibition-cum-competition for the final year students.

Head of the Department

Department of ECE
Sir M. Visvesvaraya Institute of Technology
Bengaluru 562 157

Sri Krishnadevaraya Educational Trust's

Sir M. Visvesvaraya Institute of Technology

Krishnadevaraya nagar, Hunasamaranahalli, International Airport Road,
Bangalore-562157

Department of Electronics and Communication Engineering
PG and Research Center

Project Exhibition

04-06-2019

Circular

All the 8 semester students are herby informed that the department level project exhibition is going to be conducted on 10th June 2019, Monday. As per the directions of the Principal , all the students are supposed to attend the exhibition and demonstrate their projects without fail to gain eligibility for external project viva voce.

4/6/19

HEAD OF THE DEPARTMENT

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
BENGALURU-562157

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Rubrics: Project Evaluation

Maximum Marks: 30

Level of Achievement				
Description	**Marks**	**Excellent (100%)**	**Good (80%)**	**Average (60%)**
Identification of Problem Domain and Detailed analysis of Feasibility and Objectives of the project Design Methodology	**10**	Detailed and extensive explanation of the purpose and specifications of the project Appropriate design methodology properly justified.	Good explanation of the purpose and need of the project Design methodology not properly justified	Average explanation of the purpose and need of the project; Design methodology not defined properly
Explanation of the Concepts and Technical Details	**10**	Complete explanation of the key concepts and strong description of the technical requirements of the project.	Incomplete explanation of the key concepts and in-sufficient description of the technical requirements of the project	Inappropriate explanation of the key concepts and poor description of the technical requirements of the project
Quality of answers	**10**	Student has competent knowledge and is at ease with information. Can answer the questions.	Student is uncomfortable with information. Seems novice and can answer basic questions only.	Student has no or very less knowledge of both problem and solution. Cannot answer questions

Head of the Department

Department of ECE
Sir M. Visvesvaraya Institute of Technology
Bengaluru 562 157

	SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BANGALORE	RECORD FORMATS (ISO 9001:2008)
	R/PP08/25	UG Project List ECE 2018-2019

Sl.No	Project Group	USN	Area/Title of the Project	Organization	Internal Guide
1	Ankit Kumar Agarwal	1MV15EC015	Accident recovery systems with smart communication portal	Sir MVIT	Ms.Swetha L
	RakshaRaj	1MV15EC084			
	Shubham Kumar Agrawal	1MV15EC104			
	SoumyaJaiswal	1MV15EC108			
2	Priyanka Gupta	1MV15EC081	IoT based Anti Poaching alarm system for trees in forests using wireless sensor network	Sir MVIT	Ms. Krishna Priya Sharma
	Rashi Sinha	1MV15EC086			
	Shreya Shalini	1MV15EC103			
	SushmitaKumari	1MV15EC112			
3	Anusha S	1MV15EC018	Intelligent traffic system for pollution monitoring with auto-detection of traffic rules violation.	Sir MVIT	Ms.Shalini P
	HemaPrakruthi G	1MV15EC045			
	Lavanya V	1MV15EC057			
	Subramani Y N	1MV16EC418			
4	Akshatha M R	1MV15EC009	FPGA implementation of the S-Box in AES algorithm	Sir MVIT	Ms.Vijayalakshmi Y
	Amulya G C	1MV16EC402			
5	Amrita Sharma	1MV15EC012	Zest against pests	Sir MVIT	Ms.Bhuvaneswari N
	Harini Suresh	1MV15EC039			
	Monisa S	1MV15EC064			
6	Amrutha K Jagadish	1MV15EC013	Automatic overhead tank water level controlling monitoring and water quality detecting using IOT	Sir MVIT	Mr.Sathish Kumar
	AnnagiriAnusha	1MV15EC016			
	L Priyanka	1MV15EC055			
7	PranaviThota	1MV15EC079	An IoT enabled rehabilitation system based on machine learning	Sir MVIT	Mr.Natraj R
	SwathiPatwari	1MV15EC113			
	Vedashree R	1MV15EC121			
	Noor Ayesha B S	1MV16EC414			

Prepared by: Ms.Poongothai C&Ms.Swetha L
Signature:
Designation: Assistant Professor

Approved by: Dr. R. Sundaraguru
Signature:
Designation: Professor and Head

	SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BANGALORE	RECORD FORMATS (ISO 9001:2008)
	R/PP08/25	UG Project List ECE 2018-2019

Sl.No	Project Group	USN	Area/Title of the Project	Organization	Internal Guide
8	AnnagoudaPatil	1MV16EC403	Automated billing system using Li-fi	Sir MVIT	Ms.Bhanurekha
	Manoj S	1MV16EC413			
	PrabhakarJha	1MV16EC415			
	Yatisha G M	1MV16EC423			
9	Ranjita G R	1MV15EC085	Footstep power generation using Piezo electric sensors	Sir MVIT	Ms.Safinaz S
	S Nikhitha	1MV15EC090			
	ShwethaKrishan	1MV15EC106			
10	Neethu P	1MV15EC068	"S'TRI NETHRA - Smart gadget for women self defence and security	Sir MVIT	Ms. Krishna Priya Sharma
	S Lakshmi Priyanka	1MV15EC089			
	Santhosh S	1MV15EC093			
	Vinaya M Upadhya	1MV15EC124			
11	Kavya A S	1MV15EC049	An embedded and image processing platform for Epilepsy monitoring	Sir MVIT	Ms.Vani B P
	KeerthiRamkumar	1MV15EC051			
	Prakrti Sharma	1MV15EC076			
12	AksharaMehrotra	1MV15EC008	Smart trash detection and classification	Sir MVIT	Ms.Seema S
	Astha Singh	1MV15EC022			
	Nikhil M	1MV15EC070			
	UnnatiKhare	1MV15EC118			
13	Alisha Singh	1MV15EC010	IoT based Hydroponics system	Sir MVIT	Ms.Rajeshwari K N
	Arush Bhatia	1MV15EC019			
	Baibhav Deep	1MV15EC025			
	Kewal Kumar	1MV15EC052			

Prepared by: Ms.Poongothai C&Ms.Swetha L Signature: Designation: Assistant Professor	Approved by: Dr. R. Sundaraguru Signature: Designation: Professor and Head

	SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BANGALORE	RECORD FORMATS (ISO 9001:2008)
	R/PP08/25	UG Project List ECE 2018-2019

Sl.No	Project Group	USN	Area/Title of the Project	Organization	Internal Guide
14	Bhavya C	1MV15EC027	FPGA implementation of forward path servo loop elements	ADE	Ms.Anju K Peter
	Chaithanya S	1MV15EC030			
	Kavya K	1MV15EC050			
	Kritika C Mouli	1MV15EC054			
15	AratiKarki	1MV16EC404	Bridge crack detection and measure of boat and bridge	Sir MVIT	Dr.Supriya V G
	Asfeeya Begum	1MV16EC405			
	Chaithra A S	1MV16EC408			
	Ganesh Kumar J R	1MV16EC409			
16	LipikaMahata	1MV15EC059	Wireless data transmission using visible light communication	Sir MVIT	Ms.Sowmya Nadgir
	Manasa S	1MV15EC062			
	NidhiKumari	1MV15EC127			
17	Anurag Kumar Sinha	1MV15EC017	Automated gun firing system using ARM7 controller	Sir MVIT	Mr.Shashibhushan G
	Rishav Kumar	1MV15EC087			
	SaurabhTiwary	1MV15EC095			
	Vibhas Nigam	1MV15EC122			
18	B S Ashwal	1MV15EC023	Accident prevention control system in vehicles, based on image processing and Arduino	Sir MVIT	Dr.G.R.Kavitha
	Chinmayi S	1MV15EC031			
	Deepti Tiwari	1MV15EC035			
	Madhuri V N	1MV15EC060			
19	AamirSuhailBurhan	1MV15EC001	Advanced security system	Sir MVIT	Dr.Sundaraguru R
	AdarshHari	1MV15EC003			
	AnirudhBallal C	1MV15EC014			
	AshifHusensabNadaf	1MV15EC020			

Prepared by: Ms.Poongothai C&Ms.Swetha L Signature: Designation: Assistant Professor	Approved by: Dr. R. Sundaraguru Signature: Designation: Professor and Head

	SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BANGALORE	RECORD FORMATS (ISO 9001:2008)
	R/PP08/25	UG Project List ECE 2018-2019

Sl.No	Project Group	USN	Area/Title of the Project	Organization	Internal Guide
20	Bindhushree R	1MV15EC028	Frame grqaabber and health monitoring system	BEL	Mr.Sathish Kumar
	Harshitha N	1MV15EC042			
	J JebaLovisha	1MV15EC046			
	Lavanya G	1MV15EC056			
21	Sohanravishankar	1MV15EC130	Navigation system based on passive RFID transponder with Panic switch for visually impaired people	Sir MVIT	Ms.Seema S
	Yathish S	1MV15EC131			
	Akash	1MV16EC401			
	Vikas	1MV16EC422			
22	B Shekar	1MV15EC024	Automated street lights	Sir MVIT	Ms.Praveena N
	Chaitanya Ashok Malagikar	1MV15EC029			
	D Ajaykumar	1MV15EC032			
	Harshit Pandey	1MV15EC041			
23	Ajay Kumar D R	1MV15EC005	Railway accident prevention system	Sir MVIT	Mr.Natraj R
	G Akash	1MV15EC036			
	Koushik G	1MV15EC053			
24	S V Vishnu	1MV15EC091	Firefighting using Unmanned Aerial vehicle using machine learning	Robert Bosch center	Mr.Phanindra Ravi P
	V N Naveen Raju	1MV15EC119			
	Varghese P Kuruvilla	1MV15EC120			
25	PiduguPoojithRavishankar	1MV15EC075	Vehicle vision	Sir MVIT	Ms.Vijayalakshmi Y
	Rahul Dinesh Reddy	1MV15EC082			
	ShathvikSrinivas Reddy M	1MV15EC094			
	Syed Arbaaz Ali	1MV15EC114			

Prepared by: Ms.Poongothai C&Ms.Swetha L Signature: Designation: Assistant Professor	Approved by: Dr. R. Sundaraguru Signature: Designation: Professor and Head

	SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BANGALORE	RECORD FORMATS (ISO 9001:2008)
	R/PP08/25	UG Project List ECE 2018-2019

Sl.No	Project Group	USN	Area/Title of the Project	Organization	Internal Guide
26	NeelakantaRodda	1MV15EC067	Conceptual implementation of a smart city based on IoT	Sir MVIT	Mr.Shashibhushan G
	NelluruthimmanaiduPoojamahalaxmi	1MV15EC069			
	SolletiVenkataSaiChethan	1MV15EC107			
27	Omprakash H Pawar	1MV15EC072	Location based unlocking system	Sir MVIT	Dr.Sundaraguru R
	Rahul Singh	1MV15EC083			
	Sanjay S S	1MV15EC092			
	ShaliniKumari	1MV15EC098			
28	P Yashwant	1MV15EC073	Non-invasive diagnosis of diabetic Retinopathy	Sir MVIT	Ms.Safinaz S
	Sharath Kumar K V	1MV15EC099			
	Shiva Prasad A	1MV15EC102			
	Girish G K	1MV16EC410			
29	Nithin P	1MV15EC071	Microwave antenna tracking monitoring through IoT	Sir MVIT	Ms.Shalini P
	Rohith Kumar K N	1MV15EC088			
	Sher Khan M	1MV15EC101			
	Suhas G H	1MV15EC110			
30	Saurav K	1MV15EC096	Smart food resource management	Sir MVIT	Mr. Naveen I G
	T Siddharth	1MV15EC115			
	YathinChakravarthy	1MV15EC126			
31	Ranjan D Anvekar	1MV14EC066	Smart blood bank system and detecting diseases using image processing and embedded systems	Sir MVIT	Ms.Vijayashri B
	Bharath T G	1MV15EC026			
	Muhammad Faizaan M	1MV15EC065			
	Nagendra E	1MV15EC066			

Prepared by: Ms.Poongothai C&Ms.Swetha L Signature: Designation: Assistant Professor	Approved by: Dr. R. Sundaraguru Signature: Designation: Professor and Head

	SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BANGALORE	RECORD FORMATS (ISO 9001:2008)
	R/PP08/25	UG Project List ECE 2018-2019

Sl.No	Project Group	USN	Area/Title of the Project	Organization	Internal Guide
32	Pramod K	1MV15EC078	AGROSMART	Sir MVIT	Mr. Naveen J G
	TejasGowda S M	1MV15EC116			
	Tejas S	1MV15EC117			
33	VikasChinival	1MV15EC123	Smart Agri resource automation	Sir MVIT	Ms.Sheetal
	Shabarish S	1MV16EC417			
	Suman Raj D N	1MV16EC419			
	Umashankar D	1MV16EC420			
34	Niveditha B M	1MV15EC128	Super smart shopping trolley	Sir MVIT	Dr.Sundaraguru R
	Sindhu S	1MV15EC129			
	Geetika	1MV16EC423			
35	David Sharma D	1MV15EC033	Soldiers smart vest	Sir MVIT	Ms.Bhanurekha
	Ganesh R	1MV15EC037			
	Kishor Kumar S	1MV16EC411			
36	AjithMuthu	1MV15EC006	Agribot for intuitive farming	Sir MVIT	Dr.Sundaraguru R
	H V Sujeth	1MV15EC038			
	Hemanth V	1MV15EC044			
	Maheswar Reddy C	1MV15EC061			
37	AkashHalayyanavar	1MV15EC007	WE-SAFE: A wearable IOT sensor node for safety application via LoRa	Sir MVIT	Ms.Poongothai C
	Hemanth Kumar T S	1MV15EC043			
38	Vinay M	1MV14EC111	Portable refrigerator using Peltier coil	Sir MVIT	Mr.Phanindra Ravi P
	Aishwarya	1MV15EC004			

Prepared by: Ms.Poongothai C&Ms.Swetha L Signature: Designation: Assistant Professor	Approved by: Dr. R. Sundaraguru Signature: Designation: Professor and Head

SRI KRISHNADEVARAYA EDUCATIONAL TRUST

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC)

Krishnadevarayanagar, Off International Airport Road, Hunasamaranahalli, Bengaluru – 562 157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Journal / Conference Publication Details

Sl. no	USN	Name of the students	Internal guide	Title of the Paper	Journal/Conference details	Month & Year
1.	1MV15EC068	Neethu P	Ms.Krishna Priya Sharma	S'tri Nethra smart gadget for women self defense and security	International Journal of Engineering & Science Research ISSN: 2277-2685 2019	2019
	1MV15EC089	S.Lakshmi priyanka				
	1MV15EC093	Santhosh S				
	1MV15EC124	Vinaya M Upadhya				

Head of the Department

Department of ECE
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Bengaluru 562 157

IJESR/ICETEISM-2019/Special Issue/ Article No-80/374-377 ISSN 2277-2685
International Journal of Engineering & Science Research

S'TRI NETHRA-Smart Gadget for Women Self-Defense and Security

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Department of Electronics and Communication, Sir M. Visvesvaraya Institute of Technology
Bangalore, India

Santhosh S
Department of Electronics and Communication, Sir M. Visvesvaraya Institute of Technology
Bangalore, India

Vinaya M Upadhya
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Bangalore, India

Krish,napriya S Sharma
Department of Electronics and Communication, Sir M. Visvesvaraya Institute of Technology
Bangalore, India

***Abstract*—In the era of 21st century equal rights are given to both men and women in taking equal responsibility in their respective works. Hence women are giving equal competition next to men in all fields. Every single day women and young girls from all walks of life are feeling inconvenient to step out freely without a safety device. In such critical situations the women will not feel insecure or helpless if they have some kind of safety device with them.**

This prototype proposes to have a device which is the integration of multiple devices, hardware comprises of a wearable Smart gadget called "S'TRI NETHRA" Which completely provides self-defense and security to the women in all the critical situations in both online and offline modes.

***Keywords*—Self-defense, Smart Gadget, Women-Security**

I. INTRODUCTION

Women are the backbone of our economy primarily shaping future of the country. She who earlier stayed at home to attend her domestic duties is now maintaining work and home simultaneously, participating in the process of economic development on an equal footing with men.

As India is a famous country all over the world for its culture and tradition where women is having the respected place in the society. Every day and every minute some women of all walks of life (a mother, a sister, a wife, young girls, and girl baby children) are getting harassed, molested, assaulted, and violated at various places all over the country. Areas like streets, public spaces, public transport, etc. have been the territory of women hunters.

The only solution to the above problem is to provide a self- defense mechanism that can protect the women the critical situations.

II. EXISTINGTECHNOLOGIES

SHE (Society Harnessing Equipment): It is a garment embedded with an electronic device. This garment has an electric circuit that can generate 3800kV which can help the victim to escape. In case of multiple attacks it can send around 80 electric shocks [1].

ILA security: The co-founders of this system, have designed three personal alarms that can shock and disorient potential attackers and hence safeguard the victim from perilous situations.

AESHS (Advanced Electronics System for Human Safety) It is a device that helps track the location of the victim when attacked using GPSfacility.

VithU app: This is an emergency app initiated by a popular Indian crime television series "Gumrah" aired on Channel [V]. When the power button of the Smartphone is pressed twice consecutively, it begins sending alert messages with a link of the location of the user every two minutes to the contacts.

Smart Belt: This system is designed with a portable device which resembles a normal belt. It consists of Arduino Board, screaming alarm and pressure sensors. When the threshold of the pressure sensor crosses, the device will be activated automatically. The screaming alarm unit will be activated and send sirens asking help[2].

Drawbacks of the existing systems:

1. The systems are bulky and are not portable where in these cannot be carried easily anywhere, anytime
2. Requires more hardware, which in turn increases the implementation cost.
3. The systems doesn't provide a complete kit solution to the existing problem

Smart Security Solution for Women based on Internet of Things(IOT): An advanced system that can detect the location and health condition of person that which will enable us to take action accordingly based on electronic gadgets like GPS receiver, body temperature sensor [3], GSM, Pulse rate sensor.

III. PROPOSEDSYSTEM

The proposed system gives priority to both self-defense and security with and without internet.

The proposed prototype is divided into the 2 sections:

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Hunasamaranahalli, Bengaluru-562157
Department of Electronics & Communication Engineering

Project Exhibition 2019 Report

In VTU curriculum 8th semester students have to carry out and implement project and submit the dissertation at the end of the semester. The purpose of this project is to apply the knowledge that the students have gained during 1st to 7th semesters and learn new things and implement their known skills in practical.

In Sir MVIT, every year all the branches organize the project exhibition. The main aim of this is to encourage students to show case their innovation and problem solving techniques and creativity.

The project exhibition was organized on 10/06/2019 by the following Department faculty coordinators:

1. Mr. Phanindar Ravi P, Assistant Professor/ECE
2. Mrs. Poongothai C, Assistant Professor/ECE
3. Mrs. Swetha L, Assistant Professor/ECE
4. Mrs. Bhuvaneswari N , Assistant Professor/ECE

The exhibition started with inauguration in Analog Electronics Lab with Judges as the Chief Guest of the day at 9.30 a.m. Bhavana Rao and Bhoomika of Eighth semester welcomed the gathering and introduced the chief guests.

Dr. V R Manjunath, Principal, visited all the displayed projects, discussed about their application and appreciated the students & staffs for their efforts.

In ECE department students exhibited their projects at two venues, Analog Electronics Lab and Logic Design Lab. In ECE department, totally 38 batch of student projects were exhibited. The students have carried out the project in diverse fields like embedded design, communication, networking, signal processing, Image processing, VLSI, Robotics, Wireless sensors, IoT, etc. Each project is innovative and unique in its own way.

At venue 1, Analog Electronics Lab, the judges were

1. External: Dr.Elumalai R,Professor & Head,Department of ECE, CMRIT, Bengaluru.
2. Internal: Kalaiarasi M, Assistant Professor, Department of TCE, Sir MVIT
3. Dr. Bhanurekha, Assistant Professor, Department of ECE, Sir MVIT

At venue 2, Logic Design Lab, the judges were

1. External: Dr. H. Venkatesh Kumar,Professor, Department of ECE, NCET, Bengaluru
2. Internal: Dr. Vijaykarthik P, Professor & Head, Department of ISE, Sir MVIT
3. Internal: Dr.G.R.Kavitha, Associate Professor, Department of ECE, Sir MVIT

At each venue 19 projects were exhibited.

Venue 1: 1st Prize

Project titled **"Smart trash detection and classification"** was judged as the best project and bagged first prize of Rs.2000/-. This project is carried out by AksharaMehrotra (1MV15EC008), Astha Singh (1MV15EC022), Nikhil M (1MV15EC070), Unnati Khare (1MV15EC118).

Venue 1: 2nd Prize

Project titled "**S'TRI NETHRA - Smart gadget for women self defence and security"** was given second prize of Rs.1000/- . This project is done by Neethu P 1MV15EC068 S Lakshmi Priyanka (1MV15EC089) Santhosh S (1MV15EC093) and Vinaya M Upadhya (1MV15EC124).

Venue 1: 3rd Prize

Project titled **"IoT based Anti Poaching alarm system for trees in forests using wireless sensor network"** was given third prize of Rs. 800/-. This project is carried out by Priyanka Gupta (1MV15EC081), Rashi Sinha (1MV15EC086) Shreya Shalini (1MV15EC103) and SushmitaKumari (1MV15EC112)

Venue 2: (1st Prize)

Project titled **"Soldiers smart vest"** was judged as the best project and bagged first prize of Rs.2000/-. This project is carried out by David Sharma (1MV15EC033), Ganesh R (1MV15EC037) and Kishor Kumar S (1MV16EC411)

Venue 2: (2nd Prize)

Project titled **"Smart Agri resource automation"** was given second prize of Rs.1000/-. This project is done by VikasChinival (1MV15EC123), Shabarish S (1MV16EC417), Suman Raj D N (1MV16EC419) and Umashankar D (1MV16EC420)

Venue 2: (3rd Prize)

Project titled **"Navigation system based on passive RFID transponder with Panic switch for visually impaired people"** was given third prize of Rs.800/-

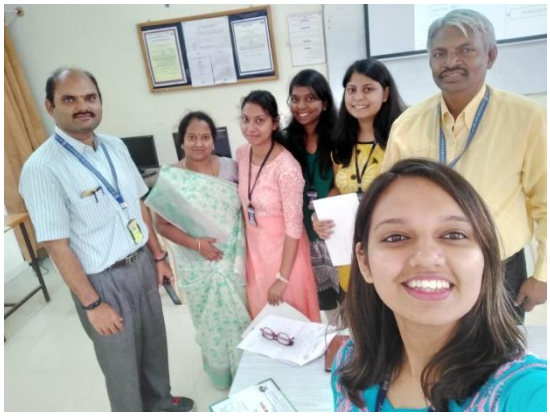
This project is carried out by Sohanravishankar (1MV15EC130), Yathish S (1MV15EC131), Akash (1MV16EC401) and Vikas (1MV16EC422)

All the awarded projects were real time oriented and have societal value.

Apart from these projects, few other projects were also considered good by the judges.

Dr. Sundaraguru R, Head of Department, distributed the certificates and cash prize for the winners of both venues. Honorarium and letter of appreciation were also given to the external judges and internal judges. Participation certificates were issued to all the team members.

Project exhibition was ended with vote of thanks by Mr.Phanindar Ravi P, Assistant Professor, ECE department.



Head of the Department

Department of ECE
Sir M. Visvesvaraya Institute of Technology
Bengaluru 562157

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Sir M Visvesvaraya Institute of Technology, Bengaluru-562157

Department of Electrical & Electronics Engineering

18.07.2018
Bengaluru

To

Mr. R. Sivapriyan
Associate Professor
Department of Electrical and Electronics Engineering
Sir MVIT
Bengaluru-562157

Respected Sir,

Subject: Project Coordinator & Project Exhibition Coordinator allotment letter - reg.

This is to inform you , that further to the discussion we had, you have been allotted as Project Coordinator as well as the c Project Exhibition coordinator for final year students of Electrical and Electronics department.

Thanking You

Yours Sincerely

Dr. H.L.Suresh
Prof & Head

PROF. & HEAD
DEPT. OF ELECTRICAL & ELECTRONICS ENGG.
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Krishnadevarayanagar, Hunasamaranahalli
(Via) Yelahanka, Bangalore - 562 157

24.09.2018

Department of Electrical and Electronics Engineering,

Sir MVIT – Bangalore – 562 157

Final Year Project Circular

Final year students are informed to select / identify the domain of your project (after discussing with your guide). Further they are informed to identify the related research paper / review paper in the selected area.

Last **date to register the project title / domain : 28.09.2018**

Tentative date for first review : 05.10.2018

The research or review papers should be selected only from IEEE / Elsevier / Springer / IET

R. Sivapriyan,

Project co-ordinator

HoD,

EEE

24/9/18

PROOF READ

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Department of Electrical and Electronics Engineering,

Sir MVIT – Bangalore – 562 157

Final Year Project First Review

26-10-2018 – 1.30PM to 4.15PM

Project Group	Venue
Group – 1 to Group 14	Seminar Hall
Group – 15 to Group 27	Final Year Class room – E305

Instruction:

1. Presentation duration is 10 mins per batch
2. All the members should present till end of the review
3. Dress code: formal with shoe

R. SIVAPRIYAN

Project co-ordinator

25/10/18

HoD - EEE

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Krishnadevarayanag...
(via) Yelahanka, Banga...

Department of Electrical and Electronics Engineering,

Sir MVIT – Bangalore – 562 157

Final Year Project First Review

26-10-2018 – 1.30PM to 4.15PM

Project Group	Venue	Evaluators
Group – 1 to Group 14	Seminar Hall	DB, NKR, TJ
Group – 15 to Group 27	Final Year Class room – E305	MSS, RCP, PS, SK

Instruction:

1. Presentation duration is 10 mins per batch
2. All the members should present till end of the review
3. Dress code: formal with shoe

R. SIVAPRIYAN

Project co-ordinator

HoD - EEE 25/10/18

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MSS DB PS TJ RCP NKR SK

Department of Electrical and Electronics Engineering,

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Final Year Project First Review

26-10-2018 – 1.30PM to 4.15PM

Project Group	Venue	Evaluators
Group – 1 to Group 14	Seminar Hall	DB, NKR, TJ
Group – 15 to Group 27	Final Year Class room – E305	MSS, RCP, PS, SK

Instruction:

1. Presentation duration is 10 mins per batch
2. All the members should present till end of the review
3. Dress code: formal with shoe

R. SIVAPRIYAN

Project co-ordinator

HoD - EEE 25/10/18

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MSS DB PS TJ RCP NKR SK

Department of Electrical and Electronics Engineering,

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Final Year Student Project - Second Review

Date : 30-11-2018

Timing	Group	Venue	Staff
9.30AM to 12.30AM	G1 to G9	PSS Lab	MSS RRK NBR AC NKR
	G10 to G18	E-305	DB PS BT RCP CKR
	G19 to G27	E-303	CVM NMS TJ VNA KMK

Note:

1. Presentation duration is 10mins per batch followed by 5mins discussion.
2. PPT should contain the title, literature survey and work done
3. Slide 1 : Project group detail with guide name
   From Slide 2: Literature survey details, work done and preliminary simulation / hardware results.
4. Number of slides restricted to 15.
5. Bring the project diary (signed by project group members and guide)

R. Sivapriyan, Associate Professor
Project Coordinator

29/11/18
HoD
EEE

Department of Electrical and Electronics Engineering,

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Final Year Student Project - Second Review

Date : 30-11-2018

Timing	Group	Venue	Staff
9.30AM to 12.30AM	G1 to G9	PSS Lab	MSS RRK NBR AC NKR
	G10 to G18	E-305	DB PS BT RCP CKR
	G19 to G27	E-303	CVM NMS TJ VNA KMK

Note:

1. Presentation duration is 10mins per batch followed by 5mins discussion.
2. PPT should contain the title, literature survey and work done
3. Slide 1 : Project group detail with guide name
   From Slide 2: Literature survey details, work done and preliminary simulation / hardware results.
4. Number of slides restricted to 15.
5. Bring the project diary (signed by project group members and guide)

R. Sivapriyan, Associate Professor

Project Coordinator

29/11/18

HoD

EEE

03-05-2019

Department of Electrical and Electronics Engineering,

Sir MVIT – Bangalore – 562 157

Circular

Final year students are informed to submit their Project Thesis by on or before 15-05-2019.

Guidelines:

1. Strictly follow the VTU format
2. Get guide approval (before taking printout)
3. Send soft copy of the complete thesis to sivapriyan@gmail.com

R. Sivapriyan, Associate Professor,

Project coordinator

3/5/19

Professor & HoD

EEE

PROF. & HEAD
DEPT. OF ELECTRICAL ENGG.
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

08-04-2019

Department of Electrical and Electronics Engineering

Sir MVIT – Bangalore – 562 157

Final Semester Project Third Review – 02-05-19 & 03-05-19

Date	Group	Timing	Venue
2nd MAY	1-4	9.00 – 11.00	Seminar Hall
	5-8	11.15 – 13.15	
	9-14	13.30 – 16.15	
3rd MAY	15-18	9.00 – 11.00	
	19-22	11.15 – 13.15	
	23-27	13.30 – 16.15	

Note:

1. Bring your completed project hardware and simulation
2. Update your project diary and submit
3. Setup your project hardware / simulation before presentation
4. Presentation timing will be 15 mins per batch followed by project hardware/simulation verification
5. Send your ppt to sivapriyan@gmail.com on or before 30.04.2019

R. Sivapriyan, 08/04/19

Project co-ordinator

8/4/19

HoD (EEE)

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(Via) Yelahanka Bangalore-562 157

Department of Electrical and Electronics Engineering,
Sir M. Visvesvaraya Institute of Technology, Bangalore – 562 157

RUBRICS FOR 8TH SEMESTER B.E PROJECT EVALUATION

Rubrics Review

Review #	Agenda	Assessment	Review Assessment Weightage	Over all Weightage
Review 1	Project Synopsis / Proposal Evaluation	Rubric R1	10	100% (100)
Review 2	Mid-Term Project Evaluation	Rubric R2	20	
Review 3	End Semester Internal Project Evaluation	Rubric R3	20	
Review 4	Project Report Evaluation	Rubric R4	50	

Rubric #R1: Project Synopsis/Proposal Evaluation

Maximum Marks*: 10

Level of Achievement						
		Excellent (10)	**Good (8)**	**Average (6)**	**Poor (4)**	**Score**
a	**Identification of Problem Domain and Detailed analysis of Feasibility, Objectives and Methodology of Project Proposal**	•Detailed and extensive explanation of the purpose and need of the project •Detailed and extensive explanation of the specifications and the limitations of the existing systems •All objectives of the proposed work are well defined; Steps to be followed to solve the defined problem are clearly specified	•Good explanation of the purpose and need of the project •Collects a great deal of information and good study of the existing systems; •Good justification to the objectives; Methodology to be followed is specified but detailing is not done	•Average explanation of the purpose and need of the project; •Moderate study of the existing systems; collects some basic information •Incomplete justification to the objectives proposed; Steps are mentioned but unclear; without justification to objectives	•Moderate explanation of the purpose and need of the project •Explanation of the specifications and the limitations of the existing systems not very satisfactory; limited information •Only Some objectives of the proposed work are well defined; Steps to be followed to solve the defined problem are not specified properly	

Rubric #R2: Mid-term Project Evaluation

Maximum Marks*: 20

		Level of Achievement				
		Excellent (5)	**Good (4)**	**Average (3)**	**Poor (2)**	**Score**
a	**Design Methodology**	• Division of problem into modules and good selection of computing framework • Appropriate design methodology and properly justification	• Division of problem into modules and good selection of computing framework • Design methodology not properly justified	• Division of problem into modules but inappropriate selection of computing framework • Design methodology not defined properly	• Partial division of problem into modules and inappropriate selection of computing framework • Design methodology not defined properly	
b	**Planning of Project Work**	• Time frame properly specified and being followed	• Time frame properly specified but being followed partly	• Time frame properly specified, but not being followed	• Time frame not properly specified	
c	**Demonstration**	• Objectives achieved as per time frame • Proper eye contact with audience and clear voice with good spoken language	• Objectives achieved as per time frame • Satisfactory demonstration, clear voice with good spoken language but eye contact not proper	• Objectives achieved as per time frame • Eye contact with few people and unclear voice	• Objectives not achieved as per time frame • Demonstration not satisfactory	
d	**Presentation**	• Contents of presentations are appropriate and well arranged	Contents of presentations are appropriate but not well arranged	• Contents of presentations are appropriate but not well arranged	• Contents of presentations are not appropriate	

Rubric #R3: End Semester Internal Project Evaluation

Maximum Marks*: 20

		Level of Achievement				
		Excellent (10)	**Good (8)**	**Average (6)**	**Poor (4)**	**Score**
a	**Incorporation of Suggestions**	Changes are made as per modifications suggested during mid term evaluation and new innovations added	Changes are made as per modifications suggested during mid term evaluation and good justification	All major changes are made as per modifications suggested during mid term evaluation	Suggestions during mid term evaluation are not incorporated	
b	**Project Demonstration**	• All defined objectives are achieved • Each module working well and properly demonstrated • All modules of project are well integrated and system working is accurate	• All defined objectives are achieved • Each module working well and properly demonstrated • Integration of all modules not done and system working is not very satisfactory	• All defined objectives are achieved • Modules are working well in isolation and properly demonstrated • Modules of project are not properly integrated	• Only some of the defined objectives are achieved • Modules are not in proper working form that further leads to failure of integrated system	
c	**Presentation**	• Contents of presentations are appropriate and well delivered	• Contents of presentations are appropriate and well delivered	• Contents of presentations are appropriate but not well delivered	• Contents of presentations are not appropriate and not well delivered	
d	**Communication**	• Proper eye contact with audience and clear voice with good spoken language	• Clear voice with good spoken language but less eye contact with audience	• Eye contact with only few people and unclear voice	• Poor eye contact with audience and unclear voice	

Rubric #R4: Project Report Evaluation

Maximum Marks*: 50

		Level of Achievement				
		Excellent (10)	**Good (8)**	**Average (6)**	**Poor (4)**	**Score**
a	**Project Report**	• Project report is according to the specified format	• Project report is according to the specified format	• Project report is according to the specified format but some mistakes	• Project report not prepared according to the specified format	
b	**Description of Concepts and Technical Details**	• Complete explanation of the key concepts and strong description of the technical requirements of the project	• Complete explanation of the key concepts but in-sufficient description of the technical requirements of the project	• Incomplete explanation of the key concepts and in-sufficient description of the technical requirements of the project	• Inappropriate explanation of the key concepts and poor description of the technical requirements of the project	
c	**Conclusion and Discussion**	• Results are presented in very appropriate manner • Project work is well summarized and concluded	• Results are presented in good manner • Project work summary and conclusion not very appropriate	• Results presented are not much satisfactory • Project work summary and conclusion not very appropriate	• Results are not presented properly • Project work is not summarized and concluded	
d	**Future extension**	• Future extensions in the project are well specified	• Future extensions in the project are specified	• Future extensions in the project are not specified	• Future extensions in the project are not specified	
e	**Reference**	• References and citations are appropriate and well mentioned	• References and citations are appropriate but not mentioned well	• some mistakes • In-sufficient references and citations	• References and citations are not appropriate	

Assessment

Category/ Dimensions	4 (Exceeds Standards)	3 (Meets Standards)	2 (Partially Meets Standards)	1 (Does Not Meet Standards)	*Points*
Problem Statement	Problem statement shows full understanding of the problem and clearly includes final design deliverables	Problem statement shows some understanding of the problem and includes most of the final design deliverables	Problem statement shows little understanding of the problem and few design deliverables are included	No problem statement and no design deliverables.	
Procedure	Clear definition of solution, procedure and methods. Different alternatives are considered and evaluated.	Solution procedure and methods are not always clearly defined. Few alternative designs are evaluated.	Outlines a general procedure but does not clearly identify methods. No alternative designs are given.	No procedure, tries things out unsystematically	
Final Design	Final design demonstrates effective use of design process, engineering standards, economics to satisfy design objectives and real-word constraints	Final design demonstrates some use of design process, engineering standards, economics to satisfy some design objectives and real-word constraints	Final design demonstrates little use of design process, engineering standards, economics to satisfy few design objectives and real-word constraints	Final design does not demonstrate the use of any design process, engineering standards, economics to satisfy any design objectives and real-word constraints	

SIR M VISVESARAYA INSTITUTE OF TECHNOLOGY, BENGALURU-562157

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

PROJECT GROUP LIST

Sl. No.	USN	Name of the Students	25	Group number / Guide/ Sign	Title of the project
1	1MV15EE013	ARJUN BHAT V	23	1 / PS	IOT BASED SMART HELMET
2	1MV15EE049	M SOLOMON SELVA	23		
3	1MV15EE050	M VISHNU RAJU	23		
4	1MV15EE053	MANOHAR N	23		
5	1MV15EE016	ARYA V	23	2 / RSP	SOLAR PHOTOVOLTAIC SYSTEMS
6	1MV15EE029	DEEPTHI A NAIR	23		
7	1MV15EE035	HARINI CHANDRAMOULI	23		
8	1MV15EE044	KAVYA G	23		
9	1MV15EE021	BASANAGOUDA V H	23	3 / KSR	Speed control of electric motor used in electric vehicles.
10	1MV15EE043	KAVANA SHREEPATI BHAT	23		
11	1MV15EE052	MALLIKARJUN REDDY H B	23		
12	1MV15EE418	VARAMAHALAKSHMI D M	23		
13	1MV15EE002	ADITYA PULKIT	22	4 / RS	Smart parking.
14	1MV15EE011	ANURAJ KUMAR	22		
15	1MV15EE019	ATUL KUMAR GUPTA	22		
16	1MV15EE027	CHRISTIN K PAUL	22		

17	1MV15EE039	JANANI G	23	5 / DB	PIEZOELECTRIC ENERGY HARVESTING USED FOR BATTERY CHARGING
18	1MV15EE065	POOJA C P	24		
19	1MV15EE071	PUJAR PRATHIBHA	23		
20	1MV15EE103	SHWETHA A	24		
21	1MV15EE001	A MEGHANA	25	6 / NBR	Remaining Useful Lifetime Estimation Of Ball Bearing Monitored By IoT
22	1MV15EE032	DIVYA BHARTI	25		
23	1MV15EE077	RASHMI KUMARI	25		
24	1MV15EE093	SHERIE PRABHAT	25		
25	1MV15EE090	SHASHANK V	25	7 / MSS	Vertical Axis Wind Turbine
26	1MV15EE104	SUHAS K	25		
27	1MV15EE110	TAMMARAYAGOUDA BIRADAR	25		
28	1MV15EE113	VISHWA	25		
29	1MV15EE072	RACHEL DAVID	24	8 / RCP	SOLAR MICROINVERTER
30	1MV15EE078	RAVI AGARWAL	25		
31	1MV15EE082	ROSHNI K S	24		
32	1MV15EE097	SREEDHI PAUL	24		
33	1MV15EE086	SATHYA NARESH	25	9 / CKR	HUMAN FOLLOWING ROBOT USING INDOOR POSITIONING SYSTEM
34	1MV15EE112	V C PRAVEEN	25		
35	1MV16EE403	HARISH K	25		
36	1MV16EE406	HITHISH B C	25		
37	1MV15EE003	AISHWAR KUMAR SRIVASTAVA	23	10 / RSP	MAXIMUM POWER POINT TRACKING
38	1MV15EE018	ASHUTOUSH LAL	23		
39	1MV15EE036	HARSHIT AGARWAL	23		
40	1MV15EE051	MADHURYA S SHET	23		

41	1MV15EE068	PRANAV	25	11 / AC	Railway Crack Detector
42	1MV15EE083	RUDRESHWAR JHA	25		
43	1MV15EE084	S HARISH KUMAR	25		
44	1MV15EE100	SHUBHAM	25		
45	1MV15EE010	ANNU NAIN	24	12 / CVM	PHOTOVOLTAIC POWER CONTROL USING MPPT AND BOOST CONVERTER
46	1MV15EE015	ARSLAN HYDER ANSARI	24		
47	1MV15EE031	DIPALI	24		
48	1MV15EE041	KANIMOZHI R	24		
49	1MV15EE006	AMIT	18	13 / BT	Energy Efficient Solar Powered Automatic Irrigation System
50	1MV15EE020	AYUSH RAMAN	18		
51	1MV15EE030	DHRUV KUMAR	18		
52	1MV15EE054	MANORANJAN KUMAR	18		
53	1MV15EE023	BHARATH C S	25	14 / RTM	BATTERY MANAGEMENT SYSTEM(BMS) FOR ELECTRIC VEHICLE
54	1MV15EE047	LOKANANADA H J	25		
55	1MV15EE058	NAGARAJ I NAIK	25		
56	1MV16EE413	NAVEEN KUMAR R	25		
57	1MV15EE046	LAVANYA T	25	15 / KMK	IoT based Advanced Crop Monitoring system manoeuvre smart solution for Wild Life Intrusion, Leaf Disease Detection and Automated Irrigation System by ANN.
58	1MV16EE401	AYISHA J A	25		
59	1MV16EE414	R A PRIYANKA	25		
60	1MV15EE092	SHERESHA C V	25		

61	1MV15EE004	AKARAPU NIKITHA	25	16 / RRK	IoT based Unmanned Ground Vehicle for Obstacle Detection
62	1MV15EE045	KOOSURU VENKATESH	25		
63	1MV15EE073	RAGALA CHETHAN	25		
64	1MV15EE076	RANJITH V	25		
65	1MV15EE025	CHETAN	24	17 / NMS	SOLAR POWERED AUTOMATIC DRIP IRRIGATION SYSTEM USING IOT
66	1MV15EE081	ROOPA S	25		
67	1MV16EE416	SRIDHARA G	25		
68	1MV16EE422	VANI K A	25		
69	1MV15EE061	NIVEDITHA P R	25	18 / TJ	WIRELESS SENSOR NETWORK(WSN) BASED DATA ACQUISITION SYSTEM FOR MULTIPLE FAULTS MONITORING AND CONTROLLING SYSTEM
70	1MV16EE404	HARSHITHA S R	25		
71	1MV16EE411	MOIN ALI KHAN	25		
72	1MV16EE420	SUHAS J C	24		
73	1MV15EE005	AMAN SINGH JHAKRA	18	19 / DB VNA	SMART IRRIGATION SYSTEM USING IoT
74	1MV15EE008	ANIKET KUMAR	18		
75	1MV15EE009	ANKUR RAI	18		
76	1MV16EE400	ABHISHEK KUMAR RANJAN	18		
77	1MV15EE067	POORNIMA H D	25	20 / NKR	"DESIGN OF FAST CHARGING TECHNIQUE FOR ELECTRICAL VEHICLE CHARGING STATIONS WITH GRID-TIED CASCADED H-BRIDGE MULTILEVEL CONVERTERS
78	1MV15EE094	SHILPARANI	25		
79	1MV16EE405	HEMASHREE N	25		
80	1MV16EE417	SOUMYASHREE K	25		

81	1MV15EE060	NISHANT KUMAR	20		
82	1MV15EE096	SHREAYANSH KESARWANI	21		
83	1MV15EE098	SHRITWIK BHADURI	21	21 / DB	Data communication using Li-fi technology
84	1MV15EE099	SHRIVASTAVA SHIVAM SHAMBHU NATH	20		
85	1MV14EE028	ASHVINI	25		
86	1MV15EE040	JYOTHI V	25		
87	1MV15EE069	PRAVEEN SATYAPPA JAINAPUR	25	22 / MSS	DUAL CONVERTERS USED FOR ELECTRIC VEHICLE
88	1MV15EE114	VYSHAK N C	25		
89	1MV15EE064	PAVAN V KULKARNI	23		
90	1MV15EE075	RAHUL R URS	23		
91	1MV15EE102	SHWETHA RAMPRASAD	23	23 / SK	SOLAR FED CONTROLLER
92	1MV15EE106	SUPRITHA S	23		
93	1MV15EE028	DEEPAK KUMAR	23		
94	1MV15EE034	HARE GOVIND SINGH	22		
95	1MV15EE037	J MOHAMMED FAIZAN	24	24 / CVM	Demand Based Power Management System
96	1MV16EE407	KIRSHAN KUMAR	23		
97	1MV15EE055	MD SHADMAN MOZAFFAR	18		
98	1MV15EE070	PRIYANK BHANAWAT	25	25 / RS	SMART CAMPUS
99	1MV15EE101	SHUBHAM RAJ	25		
100	1MV15EE105	SUMIT RAJ	23		
101	1MV15EE017	ASHISH SINGH	18	26 / HLS	Monitoring of Highway Wind Power Parameter through IOT and Automatic Controlling Highway Light "
102	1MV15EE033	DIVYANSHU SINGH	18		

Damodar
Arjun.

18

103	1MV15EE038	JAGRITI RABINDRA	25		
104	1MV15EE042	KARTHIK G	25		
105	1MV15EE066	POOJA G	22	KVM	SOLAR TRACKING DEVICE
106	1MV15EE091	SHASHWAT RAJ		27 / HLS	
107	1MV15EE108	SUYASH MASKARA			
108	1MV15EE401	ARJUN N			

Department of Electrical and Electronics Engineering,

Sir MVIT – Bangalore – 562 157

Project Exhibition 2019

10-06-2019

Results

	Venue - 1	Venue - 2
First Prize	Remaining Useful Lifetime Estimation Of Ball Bearing Monitored By IoT	Self-starting Vertical Axis Wind Turbine with cloud computing
Second Prize	Automation of Distribution Network for electric power lines	Cell balancing and battery management system
Thrid Prize	Smart Campus	Modelling and Analysis of three phase inverter using MATLAB Simulink and Arduino for controlling of motors used in EUV's
Judges	Dr. Balasubba Reddy, IISC Dr. C.V. Mohan, Sir MVIT	Dr. Chandrasekhar Atla, PRDC Dr. M.S. Suresh, Sir MVIT

Congratulations

R. Sivapriyan,
Convenor

Dr. H.L. Suresh,
Hod - EEE

Department of Electrical and Electronics Engineering,

Sir MVIT – Bangalore – 562 157

Brief Report on Final Year Project Exhibition – 10-06-2019

Head of the Department : Dr. H.L. Suresh

Project exhibition convenor : R. Sivapriyan

External judges : (1) Dr. Balasubba reddy, IISC – Bangalore

(2) Dr. Chandrasekhar Atla, PRDC – Bangalore

Internal judges : (1) Dr. M.S. Suresh, Associate Professor

(2) Dr. C.V. Mohan, Associate Professor

Number of group participated : 27 (Twenty seven)

Prize details

Results	Venue - 1	Venue - 2
First prize	Remaining Useful Lifetime Estimation Of Ball Bearing Monitored By IoT	Self-starting Vertical Axis Wind Turbine with cloud computing
Second Prize	Automation of Distribution Network for electric power lines	Cell balancing and battery management system
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R. Sivapriyan, Associate Professor,

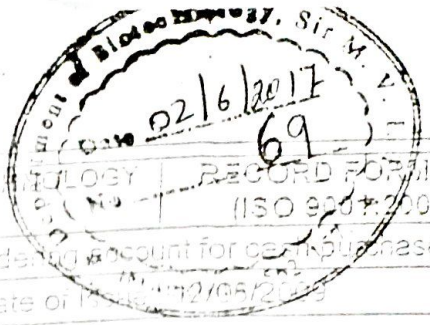
Project exhibition convenor

24/6/19

Dr. H.L. Suresh,

Prof & Head (EEE)

DEPARTMENT OF BIOTECHNOLOGY



SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY BANGALORE	RECORD FORMATS (ISO 9001:2008)
Form No.: R/PP06/03	Title: Rendering account for cash purchase
Revision No. 1	Date of Publication: 12/05/2009

DEPARATMENT Biotechnology Purpose : Project Exhibition

SL. NO.	NAME OF THE SUPPLIER	PARTICULARS	NO. OF ITEMS IN THE BILL	BILL NO. AND DATE	AMOUNT Rs.
1.		Honorarium for Judges 03 Nos.		Voucher(03)	3,000.00
2.		Prizes - Four Prizes (04 X 1200)			4,800.00
3		Transport Expenses for Judges			1003.00
4.		Miscellaneous [Mementos, Snacks, Lunch & Bouquets]			2,175.00
	In case of more bills, list may be prepared in excel format for enclosure.	TOTAL			10,978.00

Advance Drawn : Rs. 10,000/- Vide Cheque No. 004534

Date: 24/05/2017

Amount Spent : Rs. 10,978/-

Balance remitted to the bank / claimed refund : Rs. 978/- to be reimburse to HOD

Date of remittance : -

Prepared by : Harihara n.P Verified by: _____

Date 01/06/2017 : _____ Accounts Section: _____

Encl – Voucher – 08
challan - 01
Bills – 04. : _____ Bills and Vouchers _____

HEAD OF THE DEPARTMENT
With date and Seal

Approval by Principal:
Date:

Dr H.G. Nagendra
Professor & Head
Department of Biotechnology
Sir M. Visvesvaraya Institute of Technology

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
BANGALORE-562 157
DEPATMENT OF BIOTECHNOLOGY

Ref. No.VIT/BT/ 069 /2017-18 Date: 01-06-2017

To,

THE PRINCIPAL
Sir M VIT
Bangalore - 562157

Respected Sir,

Sub: Report and submission of Bills for Project Exhibition conducted on 26/05/2017:- reg

With reference to the above subject that, as your aware, the project Exhibition was conducted on **26/05/2017.** The financial assistance of Rs.10,000/- (Rupees Ten thousand only) was received vide Cheque No 004534 dated 24/05/2017 from your office. We are herewith submitting the brief report and bills for the same for your kind needful perusal.

Sl. No	Particulars	Amount
1	Honorarium for External Judges (3)	3000.00
2	Prizes (Four prizes)	4800.00
3	Transport Expenses for the Judges	1003.00
4	Miscellaneous (Mementoes, Bouquets, Snacks, Lunch, etc.)	2175.00
	Total	**10,978.00**

***The excess amount Rs. 978/- (Rupees nine hundred and seventy eighty only) kindly reimburse to HOD.**

The subject experts Dr. Durairaj Renu, Sr. Scientist, Strand Life Sciences, Bangalore, Dr. Manish Kumar Thakur, Scientist, Jubilant Biosys Ltd. Bangalore and Mr. Neeraj Kumar Singh, Scientist, CRIP, Bangalore. A total of 22 projects were presented by the UG and PG students. The best four presentation were awarded cash prizes of Rs.1200/- (Rupees one thousand two hundred only) each and oblige.

Thanking you.

Faculty co-ordinator.

Yours sincerely,

(H.G.NAGENDRA)

Dr H.G. Nagendra
Professor & Head
Department of Biotechnology
Sir M. Visvesvaraya Institute of Technology
BANGALORE - 562 157

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
BANGALORE-562 157
DEPATMENT OF BIOTECHNOLOGY

Best Four Projects

Project – 1

Project Title: "Enzyme-assisted extraction of curcuminoids and gymnemic acids from *Curcuma longa* (L.) and *Gymnema slyvestre* (R.Br.)"			
USN	**1MV15BBC01**	**Name**	**Pravinya P B**

Abstract

In the present research era, enzyme-assisted extraction (EAE) of*Curcuma longa* (L.) was performed as pre-treatment to the solvent extraction of Curcuminoids. EAE was used as the sole method for the extraction of gymnemic acids from *Gymnema sylvestre* (R.Br.) to extract/enrich gymnemic acids. The enzymes used for this study are cellulase and viscozymes (hemicellulase and xylanase). The presence of total curcuminoids in extracted samples was quantified using High Performance Liquid Chromatography (HPLC) and total gymnemic acids were quantified using gravimetry. Increases of 2.03 and 2.15-fold yield were observed in the case of curcuminoids and gymnemic acids respectively following EAE. EAE is also more ecologically compatible when compared to conventional extraction techniques and can therefore be exploited for industrial applications without fear of polluting the environment. In a nutshell, we report that EAE offers the advantages of improved yields of bioactives besides serving as a green alternative and cost-effective technique.

Project – 2

Project Title: "In silico screening and validation of natural compounds as plausible inhibitors for proteins associated with Telomerase Holoenzyme for anti-cancer therapy" Riyaz Khan, Manisha Parhi and Dr HG Nagendra*			
USN	**1MV13BT036**	**Name**	**Riyaz Khan**
	1MV13BT019		**Manisha Parhi**

Abstract

Telomerase is a reverse transcriptase capable of utilizing an integrated RNA component as a template to add protective tandem telomeric single strand DNA repeats, TTAGGG, to the ends of chromosomes. Telomere dysfunction and telomerase reactivation are observed in approximately 90% of human cancers; hence, telomerase activation plays a unique role as a nearly universal step on the path to malignancy. The core of telomerase has two major components: Catalytic human telomerase reverse transcriptase (TERT) and human telomerase RNA (hTERC). TERT utilizes the template region (3'-CAAUCCCAAUC-5') to add TTAGGG DNA repeats and thereby extend single stranded 3' telomeric strands. In addition to these two core components, several accessory proteins associate with the telomerase holoenzyme, including telomerase cajal body protein (WRAP53/TCAB1), the four H/ACA-motif RNA binding proteins dyskerin, NHP2, NOP10, GAR1, and the two ATPase proteins pontin and reptin, respectively. Knockout studies have shown that lack of RNA binding proteins namely DKC1, NHP2, NOP10, and GAR1 results in the decrease of telomerase activity and the reduction in the levels of hTERC. In HeLa cell lines, when telomerase activity was inhibited, it was seen that the cells died after 23-25 doublings. Also defects in dyskerin binding lead to hTR degradation by PAPD5- mediated oligoadenylation promoting 3' to 5' degradation by EXOSC10, as well as decapping and 5' to 3' decay by the cytoplasmic DCP2 and XRN1 enzymes.Hence, keeping these findings as basis, we aim to inhibit the RNA binding sites of the RNA binding proteins involved in telomerase bioassembly in a tumor cell, which would result in the decline of telomerase activity and hopefully leading to the senescence of cancer cells.

Project – 3

Project Title: Factors Affecting Swarming Motility in *Pseudomonas aeruginosa* and Comparative Studies of Pathogenic Mutants			
USN	**1MV13BT014**	**Name**	**G.Abhishekapriya**
	1MV13BT015		**J.G.Paramesh**
	1MV13BT057		**Vyshnavi.P**

Abstract

Pseudomonas aeruginosa is a Gram-negative, rod-shaped bacterium that infects a range of hosts from plants to animals, including humans. Quorum sensing causes the bacteria to come together in cell concentrations high enough to enable multicellular behaviour like biofilm formation and swarming motility which confers antibiotic resistance and pathogenesis. *P.aeruginosa* colonizes surfaces using different modes of motility like swarming, swimming and twitching. Swarming is a two-dimensional movement over a semi-solid surface that requires flagella, pilli and production of a surfactant called rhamnolipid. In order to understand pathogenesis, it is crucial to look into the underlying environmental and genetic factors. To study how nutrient availability can affect swarming behaviour, the motility assays of *P.aeruginosa*are being carried outin presence of different ratios of carbon and nitrogen. A number of genes that affect swarming have been found in the laboratory of Varsha Singh at IISc. We aim to identify the hyper and hypo virulent mutants among the non-swarmers by infecting the plant host *Lactuca sativa* (lettuce) with these mutants. Fitness studies are carried out by performing competitive assays and plotting growth curves, where these mutants are grown individually and co-cultured with wild type to compare their ability to survive and grow.

Keywords: *Pseudomonas aeruginosa*, Swarming, Virulence, Fitness

Project – 4

Project Title: Reclamation of Palm Oil Waste			
USN	**1MV13BT050**	**Name**	**Sushmita Kumari**
	1MV13BT048		**Sriranganayaki Bhupathiraju**
	1MV13BT011		**Thomas Chavara**

Abstract

Palm oil is derived from the mesocarp of Palm fruit. The remaining portion can be labeled as the palm oil milling effluent which is a colloidal suspension containing 90-95% of water , .6 -.7% oil and 4-5% solids, this effluent is generated from the sterilizer condensate, separator sludge, and hydrocyclone wastewater. POME is rich in carbohydrate, protein, nitrogenous compounds, lipids and minerals. Nitrogen, Phosphorous, Potassium, Magnesium and Calcium are present in relatively large amounts in POME. Also it contains a high amount of Aluminum when compared to chicken manure and composted sawdust.

Project Exhibition Day