

KSCST Sponsor Projects

Student Project Programs (SPP)

Motivated by the desire to build a strong base for practical problem solving in several engineering colleges as well as to build their R & D potential, KSCST decided to promote student project programs in a large number of educational institutions, located Karnataka, in areas of Engineering, Master of Science, Master of Technology, Master of Business Administration and Agriculture. It saw an enormous reservoir of talent and creativity in the students and the faculty of engineering colleges in Karnataka. Another important factor is the abundant availability of basic and infrastructure facilities in the engineering colleges for experimentation, design, fabrication and testing.

KSCST, therefore, ventured into launching and implementing a program called **STUDENT PROJECT PROGRAMME (SPP)** for providing financial and academic support for Bachelor of Engineering projects. Discussions held with the Director of Technical Education and the Principals of engineering colleges indicated that such a program would be worthwhile.

VTU financial assistance scheme is introduced by university to encourage final year engineering students to do research oriented innovative projects which are benefited to society. The financial assistance shall be available for all branches at under graduate level offered by the college. Best innovative projects shall be chosen by the selection committee at the college. Sum of Rs.5000 per project with a maximum of two projects per branch/program shall be sanctioned and given by the university.



PRINCIPAL
SHRIDEVI INSTITUTE OF
ENGINEERING AND TECHNOLOGY
TUMKUR - 572106.

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012
Website: www.kscst.org.in || Email: spp@kscst.org.in || Tel: 080-2334 1652,2334 8848/49/40

46th series of Student Project Programme (SPP): 2022-23

List of Student Project Proposals Approved for Sponsorship

164. SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMAKURU

Sl. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	AMOUNT SANCTIONED (RS.)
1269	46S_BE_4377	A LABORATORY INVESTIGATION ON BITUMINOUS CONCRETE PREPARED WITH FLYASH AS A FILLER MATERIAL	B.E.	CIVIL ENGINEERING	Dr. G MAHESH KUMAR	Ms. THRIVENI S Mr. RAKESH L P Mr. SURYA M N Mr. TEJA K G	5,000.00
1270	46S_BE_4484	CYBER ATTACK DETECTION SYSTEM IN UNIVERSITY PRIVATE CLOUD	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mr. CHETHAN M S Mr. GIRISH L	Ms. NIKKI KISHORE Ms. PRIYA R ACHARYA Ms. AFREEN AFSHAN Mr. GOUDAR ROHIT RENU	3,000.00
1271	46S_BE_4492	AUTOMATED SMART SYSTEM FOR DETECTING CYBER BOT ATTACK IN 5G NETWORK	B.E.	COMPUTER SCIENCE AND ENGINEERING	Prof. SHANMUKSWAMY C.V Prof. GIRISH L	Ms. DEEKSHA K Ms. ANUSHA B Ms. ESRA BANU Ms. NAGAKRUPA D R	3,000.00
1272	46S_BE_5075	TUMAKUR CITY AIR POLLUTION PREDICTION USING DEEP LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mr. RENUKARADHYA P C Mr. GIRISH L	Ms. NANDINI A Mr. HARISHA M R Ms. SAHANA SHARANAPPA GULARADDI	3,000.00
1273	46S_BE_5112	ELECTRICAL VEHICLE BATTERY LIFESPAN PREDICTION USING MACHINE LEARNING	B.E.	COMPUTER SCIENCE AND ENGINEERING	Mr. GIRISH L Mr. CHARAN K V	Mr. Y S YASWANATH SAI Ms. SHWET KUMAR Mr. ZAKAUR RAHMAN Mr. SIDDESHYADAV G S	3,000.00
1274	46S_BE_3296	ARDUINO BASED VEHICLE ACCIDENT ALERT SYSTEM USING GPS, GSM AND MEMS ACCELEROMETER	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. PRADEEP KUMAR S.S	Ms. M BHAVANI SHANKAR Mr. SAHIL SALAM Ms. PREKSHA NAYAKA K. P Ms. ARBIYA SULTANA	4,000.00

1275	46S_BE_3508	SMART HELMET AND ALCOHOL DETECTION FOR SAFETY RIDING	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Prof. RAGHAVENDRA D	Mr. AKHILESH YADAV Mr. YASHWANTH C Mr. ANIKET ASHOK NEJE	4,000.00
1276	46S_BE_3315	LOW COST COMPUTER SETUP FOR RURAL SCHOOLS AND PANCHAYAT USING DEVOPS	B.E.	INFORMATION SCIENCE AND ENGINEERING	Mr. GIRISH L	Mr. RAVITEJA S Ms. PRIYA AGADI Ms. THANMAYI P Ms. B S CHAITHRA	4,000.00

Transaction Details:

NAME OF THE ACCOUNT HODLER	DATE OF TRANSACTION	TRANCTION DETAILS	AMOUNT
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMAKURU	18-05-2023	AMT TRFD TO ACTS 46TH SERIES SPP ON 18-05-2023	29,000.00



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Mr. H Hemanth Kumar
Executive secretary

No.7.1.01/SPP/100

17th May 2022

The Principal,
Shridevi Institute of Engineering and Technology,
Sira Road,
Tumakuru- 572 106.

Dear Sir/Madam,

Sub: Project approval under the 45th series Student Project Programme (SPP)

Greetings from Karnataka State Council for Science and Technology!

I am pleased to inform you that the evaluation committee of SPP has selected the projects (list attached) submitted by your institution for sponsorship under the 45th series Student Project Program. We expect some of these sponsored projects to result in the development of prototypes, products, or services.

The sanctioned amount will be transferred by NEFT to the bank account provided by your institution and the transaction details will be shared with your office shortly. The sanction orders for each of these projects will also be sent by email to the designated SPP coordinator (as mentioned in the project proposals) of your institution.

Further, the program schedule for the next phase of evaluation scheduled for June 2022 will be shared with the project guides, students, and the SSP coordinator.

Thanking you and with best regards,

Yours Sincerely,

(H. Hemanth Kumar)

Encl.: List of Projects selected from your institute.

KSCST Coordinator,
Name
30/5/22

Hemanth Kumar
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45th series of Student Project Programme (SPP): 2021-22

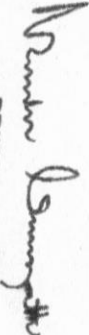
List of Student Project Proposals Approved for Sponsorship

142. SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMAKURU

SI. No.	PROJECT REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	SANCTIONED AMOUNT (IN RS.)
1057.	45S_BE_4335	SMART STICK FOR VISUALLY IMPAIRED PEOPLE	B.E.	ELECTRONICS AND COMMUNICATION ENGINEERING	Mr. RAGHAVENDRA D	Mr. SAMEER BICHAGATTI Mr. ARUNA R N Mr. SIDRAM Mr. BASAVARAJ	7,000.00

Note:

- The sanctioned amount will be credited to the college bank account by NEFT.
- The evaluation of the above projects will be conducted via online mode during May / June 2022.
- Participation in the online evaluation process is mandatory, failing which the project will be considered incomplete and will be withdrawn from the list and sanctioned amount shall be returned to KSCST.
- After completion of the projects, a softcopy of the report prepared as per the format prescribed by RESPECTIVE UNIVERSITIES shall be uploaded (PDF format in a single file only) in the GOOGLE FORMS provided on the website.
- Any corrections with respect to the names of the guide and students shall be requested at spp@kscst.org.in


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Mr. H. Hemanth Kumar

Executive Secretary

11th May, 2022

Ref: 7.1.01/SPP/91

The Principal,
Shridevi Institute of Engineering and Technology,
Sira Road,
Tumakuru- 572 106

Dear Sir/Madam,

Sub : Sanction of Student Project - 45th Series: Year 2021-2022

Project Proposal Reference No. : 45S_BE_4335

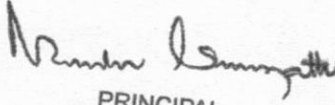
Ref : Project Proposal entitled **SMART STICK FOR VISUALLY IMPAIRED PEOPLE**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 45th Series". The project details are as below:

Student(s)	Mr. SAMEER BICHAGATTI	Department	ELECTRONICS AND COMMUNICATION ENGINEERING
	Ms. ARUNA R N		
	Mr. SIDRAM		
	Mr. BASAVARAJ		
Guide(s)	Mr. RAGHAVENDRA D	Sanctioned Amount (in Rs.)	7,000.00

Instructions:

- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/YMn9K7XETu96i8KbA>. The synopsis should include following:
 - Project Reference Number
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords
 - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
 - Objectives (about 10 lines)


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- 8) Methodology (about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
 - 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
 - 10) Scope for future work (about 20 lines).
- e) In case of incometed projects, the sanctioned amount shall be returned to KSCST.
 - f) The sanctioned amount will be transferred by NEFT to the bank account provided by the College/Institute.
 - g) The sponsored projects evaluation will be held in the Nodal Centre/Online Mode and the details of the same will be intimated shortly by email / Website announcement.
 - h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and studetn(s) shall be uploaded in the following Google Forms Link <https://forms.gle/PciAaAVisn6bn8AM7>. The report should be prepared in the format prescribed by the university.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,

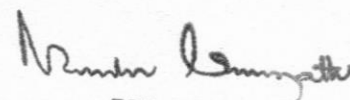
Yours sincerely,



(H. Hemanth Kumar)

Copy to:

- 1) The HoD
ELECTRONICS AND COMMUNICATION ENGINEERING
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMAKURU
- 2) Mr. RAGHAVENDRA D
ELECTRONICS AND COMMUNICATION ENGINEERING
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMAKURU
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU



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Indian Institute of Science Campus, Bengaluru – 560 012

Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: spp@kscst.iisc.ernet.in || Phone: 080-23341652, 23348840/48/49

44th Series of Student Project Programme: 2020-21

List of Student Project Proposals Approved for Sponsorship

146. SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMAKURU

Sl. No.	PROJECT REFERENCE No.	PROJECT TITLE	BRANCH	COURSE	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	SANCTIONED AMOUNT (IN Rs.)
967.	44S_BE_2247	FACE RECOGNITION IN ATM SECURITY USING MACHINE LEARNING	COMPUTER SCIENCE AND ENGINEERING	B.E.	Mr. BASAVESHA D	Mr. NIKESH KUMAR TIWARI Ms. PRIYA PANDA Mr. ABHISHEK KUMAR PRASAD Mr. ABHISHEK PANDEY	4500.00
968.	44S_BE_2248	AUTOMATED EVALUATION OF COVID-19 RISK FACTORS COUPLED WITH REAL-TIME	INFORMATION SCIENCE AND ENGINEERING	B.E.	Prof. KUMAR H R	Mr. NITHIN KUMAR B N Ms. RACHANA V Ms. RAKIYA UZMA Mr. SANTHOSH BHARADWAJ H A	5000.00
969.	44S_BE_2249	ELEVATOR FOR BLIND PEOPLE USING VOICE RECOGNITION	ELECTRICAL AND ELECTRONICS ENGINEERING	B.E.	Dr. DEVAKI B S Mr. RAVI KUMAR G H	Ms. RAMYA S Ms. CHANDRIKA S Ms. MEGHA N Ms. POOJA B N	6000.00
970.	44S_BE_2254	MECHANICAL PROPERTIES AND MICROSTRUCTURE STUDIES OF ALUMINIUM 8011 ALLOY MATRIX COMPOSITE REINFORCED WITH NANO ZIRCONIA	MECHANICAL ENGINEERING	B.E.	Prof. THIPPESWAMY JC	Mr. MANOJ H N Mr. NAGESH MYLAR RAJUA Mr. SHIVAKUMAR V	6000.00
971.	44S_BE_2256	STABILIZATION OF EXPANSIVE SOIL USING RICEHUSK ASH, GROUNDNUT SHELL AND CORNCOB ASH.	CIVIL ENGINEERING	B.E.	Dr. G. MAHESH KUMAR	Ms. RAMYA B Mr. RAKESH S Mr. KIRAN P MURALI Ms. SREE LAKSHMI M A	6000.00
972.	44S_BE_2257	A STUDY ON UTILIZATION OF WASTE PLASTIC IN THE MANUFACTURING OF PLASTIC BRICK AND USING AT AS AN ALTERNATIVE BUILDING MATERIAL	CIVIL ENGINEERING	B.E.	Mr. MANOGNA H N	Mr. PAVAN Mr. NITHIN G Y Ms. BHUMIKA M. R Ms. ANUSHA M	6000.00
973.	44S_BE_2260	BREAST CANCER CLASSIFICATION USING MACHINE LEARNING	ELECTRONICS AND COMMUNICATION ENGINEERING	B.E.	Prof. RAGHAVENDRA D	Mr. NITHIN KUMAR G M Ms. SUNITHA Y K Ms. GEETHA M R Ms. HEMA K P	6000.00
974.	44S_BE_2262	DIGITAL FORENSIC PROCESS IN CYBERCRIME DATA MINING AND GSM	ELECTRONICS AND COMMUNICATION ENGINEERING	B.E.	Mr. RAGHAVENDRA D	Ms. SAHANA G R Ms. NISHA H Ms. REKHA K N Ms. ASHWINI V	6000.00

Note:

- The sanctioned amount will be credited to the college bank account by NEFT.
- The evaluation of above projects will be conducted during May / June 2021 via online mode.
- Participation in the online evaluation process and submission of softcopy of the final project report is mandatory, failing to which the sanctioned project will be withdrawn from the list and sanctioned amount shall be returned to KSCST.
- After completion of the projects, softcopy (PDF format in a single file) of the report needs to be sent to KSCST without fail.
- Any corrections with respect to the names of the guide and students should be requested at spp@kscst.iisc.ernet.in.

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Email: office.kscst@iisc.ac.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Mr. H. Hemanth Kumar
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal
Shridevi Institute of Engineering and Technology
Sira Road
Tumakuru- 572 106

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : 44S_BE_2247

Ref : Your Project Proposal entitled " **FACE RECOGNITION IN ATM SECURITY USING MACHINE LEARNING**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Students	Mr. Nikesh Kumar Tiwari Ms. Priya Panda	Budget	
		Particulars	Amount (Rs)
Mr. Abhishek Kumar Prasad Mr. Abhishek Pandey	Materials/Consumables		3,000.00
	Labour		-
Guide/s Mr. Basavesha D	Travel		500.00
	Miscellaneous		500.00
Department Computer Science And Engineering	Report		500.00
	Total		4,500.00
FOUR THOUSAND FIVE HUNDRED RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and softcopy of the full report in a CD (single file .pdf format only) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords

Seen.

Hemanth Kumar
PRINCIPAL
SI:



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Mr. H. Hemanth Kumar
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal
Shridevi Institute of Engineering and Technology
Sira Road
Tumakuru- 572 106

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : 44S_BE_2248

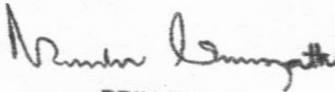
Ref : Your Project Proposal entitled " **AUTOMATED EVALUATION OF COVID-19 RISK FACTORS
COUPLED WITH REAL-TIME**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Students	Mr. Nithin Kumar B N	Budget	
		Particulars	Amount (Rs)
	Ms. Rachana V		
	Ms. Rakiya Uzma	Materials/Consumables	4,000.00
	Mr. Santhosh Bharadwaj H A	Labour	-
Guide/s	Prof. Kumar H R	Travel	-
		Miscellaneous	500.00
Department	Information Science And Engineering	Report	500.00
		Total	5,000.00
FIVE THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and softcopy of the full report in a CD (single file .pdf format only) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords


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968

Mr. H. Hemanth Kumar
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal
Shridevi Institute of Engineering and Technology
Sira Road
Tumakuru- 572 106

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : **44S_BE_2249**

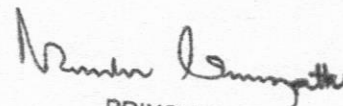
Ref : Your Project Proposal entitled " **ELEVATOR FOR BLIND PEOPLE USING VOICE RECOGNITION**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Students	Ms. Ramya S	Budget	
		Particulars	Amount (Rs)
	Ms. Chandrika S		
	Ms. Megha N	Materials/Consumables	4,000.00
	Ms. Pooja B N	Labour	500.00
Guide/s	Dr. Devaki B S	Travel	500.00
	Mr. Ravi Kumar G H	Miscellaneous	500.00
Department	Electrical And Electronics Engineering	Report	500.00
		Total	6,000.00
SIX THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and softcopy of the full report in a CD (single file .pdf format only) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
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Mr. H. Hemanth Kumar
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal
Shridevi Institute of Engineering and Technology
Sira Road
Tumakuru- 572 106

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : 44S_BE_2254

Ref : Your Project Proposal entitled " **MECHANICAL PROPERTIES AND MICROSTRUCTURE STUDIES OF ALUMINIUM 8011 ALLOY MATRIX COMPOSITE REINFORCED WITH NANO ZIRCONIA**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Mr. Manoj H.N	Budget	
		Particulars	Amount (Rs.)
	Mr. Nagesh Mylar Raju.A		
	Mr. Shivakumar V	Materials/Consumables	4,000.00
		Labour	500.00
Guide/s	Prof. Thippeswamy Jc	Travel	500.00
		Miscellaneous	500.00
Department	Mechanical Engineering	Report	500.00
		Total	6,000.00
SIX THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and softcopy of the full report in a CD (single file .pdf format only) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
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 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords

Hemanth Kumar
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Mr. H. Hemanth Kumar
 Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal
 Shridevi Institute of Engineering and Technology
 Sira Road
 Tumakuru- 572 106

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021
Your Project Proposal Reference No. : 44S_BE_2257
 Ref : Your Project Proposal entitled " **A STUDY ON UTILIZATION OF WASTE PLASTIC IN THE MANUFACTURING OF PLASTIC BRICK AND USING AT AS AN ALTERNATIVE BUILDING MATERIAL**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Students	Mr. Pavan	Budget	
		Particulars	Amount (Rs)
Students	Mr. Nithin G Y	Materials/Consumables	4,000.00
	Ms. Bhumika M. R	Labour	500.00
	Ms. Anusha .M	Travel	500.00
	Mr. Manogna H N	Miscellaneous	500.00
Guide/s	Civil Engineering	Report	500.00
		Total	6,000.00
SIX THOUSAND RUPEES ONLY			

- The following are the guidelines to carryout the project work :
- The project should be performed based on the objectives of the proposal sent by you.
 - The project should be completed in all respects and softcopy of the full report in a CD (single file .pdf format only) should be submitted to KSCST.
 - Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
 - Please quote your project reference number printed above in all your future correspondences.
 - Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords

Hemanth Kumar
 PRINCIPAL
 SIET., TUMAKURU.



Karnataka State Council for Science and Technology

(An autonomous organisation under the Dept. of Science & Technology, Govt. of Karnataka)

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849, 23348840

Email: office.kscst@iisc.ac.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Mr. H. Hemanth Kumar
Executive Secretary

24th April 2021

Ref: 7.1.01/SPP/10

The Principal
Shridevi Institute of Engineering and Technology
Sira Road
Tumakuru- 572 106

Dear Sir/Madam,

Sub : Sanction of Student Project - 44th Series: Year 2020-2021

Your Project Proposal Reference No. : **44S_BE_2262**

Ref : Your Project Proposal entitled " **DIGITAL FORENSIC PROCESS IN CYBERCRIME DATA MINING AND GSM**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 44th Series" with a budgetary break-up as detailed below:

Student / s	Ms. Sahana G R	Budget	
		Particulars	Amount (Rs.)
	Ms. Nisha H		
	Ms. Rekha K N	Materials/Consumables	4,000.00
	Ms. Ashwini V	Labour	500.00
Guide/s	Mr. Raghavendra D	Travel	500.00
		Miscellaneous	500.00
Department	Electronics And Communication Engineering	Report	500.00
		Total	6,000.00
SIX THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and softcopy of the full report in a CD (single file .pdf format only) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords

Hemanth Kumar
PRINCIPAL
SIET., TUMAKURU.



Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Mr. H. Hemanth Kumar
Executive Secretary

27th March, 2019

Ref: 7.1.01/SPP/1333

The Principal,
Shridevi Institute of Engineering and Technology,
Sira Road,
Tumakuru- 572 106.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019

Your Project Proposal Reference No. : 42S_BE_1455

Ref : Your Project Proposal entitled " **ENERGY CONTROL SYSTEM USING WSS & IOT**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Students	Mr. Manjunath B Yanni and others	Budget	Amount (Rs)
		Materials/Consumables	4,000.00
Guide/s	Prof. Raghavendra.D	Labor	500.00
		Travel	500.00
Department	Electronics And Communication Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	6,000.00
	SIX THOUSAND RUPEES ONLY		

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important: After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following points:
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords



Principal
S.I.E.T., TUMAKURU.

- 5) Introduction / background
(with specific reference to the project, work done earlier, etc) - about 20 lines
- 6) Objectives (about 10 lines)
- 7) Methodology (about 20 lines)
(materials, methods, details of work carried out, including drawings, diagrams etc)
- 8) Results and Conclusions
(about 20 lines with specific reference to work carried out)
- 9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

e) Projects selected for Seminar / Exhibition will be awarded.

The following are the extract of comments / suggestions of the expert. The students and project guides are hereby directed to implement the same and will be looked into during evaluation of the project.

IDENTIFY/CONTACT INDUSTRY TO EXPLORE THE POSSIBILITY OF PACKAGING AND FOR DEVELOPING THE PRODUCT. DEMONSTRATE THE WORKING OF THE SCHEME DURING MIDTERM PROGRESS REVIEW.

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by email / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

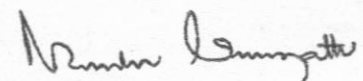


(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of
Electronics And Communication Engineering
Shridevi Institute Of Engineering And Technology,
Sira Road,
Tumakuru- 572 106.
- 2) Prof. Raghavendra.D
Department of Electronics And Communication Engineering
Shridevi Institute Of Engineering And Technology,
Sira Road,
Tumakuru- 572 106.
- 3) The Finance Officer, KSCST, Bengaluru

Encl: As Above



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Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.ernet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Mr. H. Hemanth Kumar
Executive Secretary

27th March 2019

Ref: 7.1.01/SPP/1333

The Principal,
Shridevi Institute of Engineering and Technology,
Sira Road,
Tumakuru- 572 106.

Dear Sir/Madam,

Sub : Sanction of Student Project - 42nd Series: Year 2018-2019
Your Project Proposal Reference No. : 42S_BE_0485

Ref : Your Project Proposal entitled " **HIGH PROTECTION VOICE BASED BANK LOCKER SECURITY SYSTEM WITH LIVE IMAGE AUTHENTICATION**

I am happy to inform that your student project proposal referred above, has been approved by the Council for "Student Project Programme - 42nd Series" and has been sanctioned with a budgetary break-up as detailed below:

Student / s	Ms. Harini D C and others	Budget	Amount (Rs)
		Materials/Consumables	5,000.00
Guide/s	Mr. Pradeep Kumar S S	Labor	500.00
		Travel	500.00
Department	Electronics And Communication Engineering	Miscellaneous	500.00
		Report	500.00
		TOTAL	7,000.00
SEVEN THOUSAND RUPEES ONLY			

The following are the guidelines to carryout the project work :

- The project should be performed based on the objectives of the proposal sent by you.
- The project should be completed in all respects and one copy of the hardbound report along with softcopy of the full report in a CD (.pdf format) should be submitted to KSCST.
- Any change in the project title and objectives, etc., or students is liable to rejection of the project and the amount sanctioned needs to be returned to KSCST.
- Please quote your **project reference number printed above** in all your future correspondences.
- Important:** After completing the project, 2 to 3 page write-up (synopsis) needs to be sent by e-mail [spp@kscst.iisc.ernet.in] and should include following :
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords

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SIET., TUMAKURU.

6) Introduction / background

(with specific reference to the project, work done earlier, etc) - about 20 lines

6) Objectives (about 10 lines)

7) Methodology (about 20 lines)

(materials, methods, details of work carried out, including drawings, diagrams etc)

8) Results and Conclusions

(about 20 lines with specific reference to work carried out)

9) Scope for future work (about 20 lines).

(Note: The write-up (Synopsis) should be sent with the approval of project guide. The softcopy of the write-up, in MS Word format, should be sent by e-mail (spp@kscst.iisc.ernet.in). In your e-mail, please also include project proposal reference number and title of the project.)

- e) Projects selected for Seminar / Exhibition will be awarded.

The sanctioned amount will be sent through NEFT by Accounts Department. Please furnish the bank account details as per the format enclosed with this letter.

The sponsored projects evaluation will be held in the Nodal Centre and the details of the nodal centre will be intimated shortly by e-mail / Website announcement.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.iisc.ernet.in

Thanking you and with best regards,

Yours sincerely,

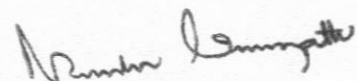


(H. Hemanth Kumar)

Copy to:

- 1) The Head of the Department of
Electronics And Communication Engineering
Shridevi Institute Of Engineering And Technology,
Sira Road,
Tumakuru- 572 106.
- 2) Mr. Pradeep Kumar S S
Department of Electronics And Communication Engineering
Shridevi Institute Of Engineering And Technology,
Sira Road,
Tumakuru- 572 106.
- 3) The Finance Officer, KSCST, Bangalore.

Encl: As Above



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Karnataka State Council for Science and Technology

Indian Institute of Science Campus, Bengaluru - 560 012

Telephone: 080-23341652, 23348848, 23348849 ♦ Telefax: 080-23348840

Email: office@kscst.iisc.emet.in, office@kscst.org.in ♦ Website: www.kscst.iisc.emet.in, www.kscst.org.in

Mr. H. Hemanth Kumar
Executive Secretary,

No: 7.1.03/SPP/73

25th April 2019

The Principal,
Shridevi Institute of Engineering and Technology,
Sira Road,
Tumakuru - 572 106.

To
HOD's of Physics
&
ECE
H
27/4/19

Dear Sir,

Sub: 42nd Series of Student Project Programme - Nodal Centre Evaluation of Sponsored Projects

Ref: 1) Our project sanctioned letter No 7.1.01/SPP/1333 dated 27th March 2019

This is to inform you that the Nodal Center Evaluation is being organised on **9th May 2019 (Thursday) at 9:30 AM at Siddaganga Institute of Technology, Tumakuru.**

We request you to inform the concerned guide and students (SPP sponsored projects) to be present at Siddaganga Institute of Technology, Tumakuru at 9:30AM. The students need to make presentation/demonstration of their project during the evaluation.


We request you to inform the students to prepare the project synopsis (about 2 pages) as per the format given in the sanction letter and send through email to spp@kscst.iisc.emet.in and participate in the evaluation process.

The Guide and Students may please contact Dr. K. Vishwanath, Professor & Head, Dept. of Telecommunication Engineering (Email: vishwanath@sit.ac.in Ph. +91 94813 46724) Siddaganga Institute of Technology, Tumakuru and confirm the number of participants from your institution to make necessary arrangements.

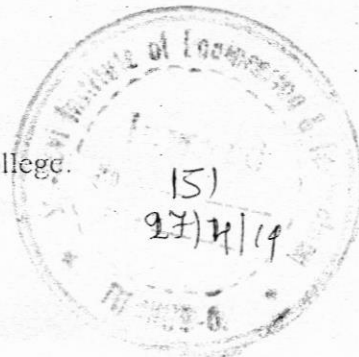
The state level Seminar and Exhibition of 42nd Series of SPP will be held in the month of July/August 2019. The exact date and venue will be intimated shortly.

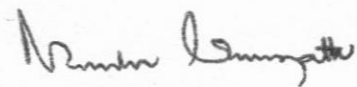
Thanking you and with best regards,

Yours sincerely,


(H. Hemanth Kumar)

Encl: List of projects sanctioned to your college.




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SIET, TUMAKURU.

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012

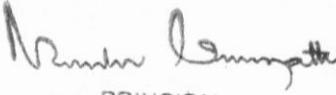
Website: <http://www.kscst.iisc.ernet.in/spp.html> || Email: spp@kscst.iisc.ernet.in || Phone: 030-23600978

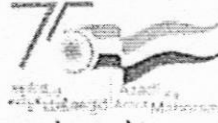
42nd Series of Student Project Programme: 2018-19

List of Projects Sanctioned Under Stream C

111. SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMAKURU

Sl. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	DEGREE	NAME OF THE GUIDE	NAME OF THE TEAM LEADER	TOTAL (in Rs.)
1.	42S_BE_0485	HIGH PROTECTION VOICE BASED BANK LOCKER SECURITY SYSTEM WITH LIVE IMAGE AUTHENTICATION	ELECTRONICS AND COMMUNICATION ENGINEERING	BE	Mr. PRADEEP KUMAR S S	Ms. HARINI D C	7000.00
2.	42S_BE_1455	ENERGY CONTROL SYSTEM USING WSS & IOT	ELECTRONICS AND COMMUNICATION ENGINEERING	BE	Prof. RAGHAVENDRA.D	Mr. MANJUNATH B YANNI	6000.00


PRINCIPAL
SIET., TUMAKURU.



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

ವಿಶಿಷ್ಠ ಅಧಿನಿಯಮ ೧೯೯೪ ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ

Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the VTU Act, 1994)

"Jnana Sangama" Belagavi-590018, Karnataka, India

Prof. B.E. Rangaswamy Ph.D.

Registrar

Phone(0831)2405468

Fax: (0831)2405467

Ref. No. VTU/Aca/2022-23/ 06/22

Date 3 APR 2023

To
The Principal
Shridevi Institute of Engineering and Technology, Tumkur

Sir/Madam,

Sub: Sanction of Financial Assistance for 2021-2022 to the Innovative Project of UG Final Year Students of your Institution...reg.

- Ref: 1) No. VTU/BGM/Aca/A-12/VTU-FA/2021-22/1366 dated 7-6-2022
2) Vice-Chancellor's Order dated 14-2-2023

With reference to the above, please find enclosed herewith D.D. No. 473645215 dated 3/27/2023 (mm/dd/yyyy) for Rs.50000 /- towards the sanction of financial assistance to the selected Innovative projects of UG final year students of BE/B.Tech.

Further, you are hereby informed to distributed the amount to the concerned students and get an acknowledgement for the same.

Original copy of the acknowledgement should be submitted to the undersigned on or before April 10th 2023.

Yours faithfully,

B.E

Registrar

Encl: as above

B.E

PRINCIPAL
SIET., TUMAKURU.



ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ
("ವಿಜಯ ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)
'ಜ್ಞಾನ ಸಂಗಮ', ಬೆಳಗಾವಿ - ೫೯೦ ೦೧೮ ಕರ್ನಾಟಕ ರಾಜ್ಯ

Visvesvaraya Technological University
(State University of Government of Karnataka Established as per the VTU Act, 1994)
"Jnana Sangama", Belagavi-590 018, Karnataka State, India

Prof. A. S. Deshpande B.E., M.Tech., Ph.D.
REGISTRAR

Phone: (0831) 2498100
Fax: (0831) 2405467

Ref: VTU/Aca./A4/2021-22/ 2628/25

Date: 20 SEP 2021

To,

The Principal,
Shridevi Institute of Engineering and Technology,
Sira Road, Tumkur-572106.

Sir,

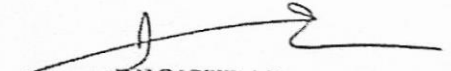
Sub: Sanction of Financial Assistance for 2020-21 to the
Innovative Project of UG Final Year students of your Institution..reg.
Ref: No.VTU/BGM/PS/2021-22/545, dated 06.05.2021

With reference to the above subject, please find herewith a D.D Bearing No 643525,
dated 09.09.2021 of Rs. 55,000/- (Rupees Fifty Five Thousand Only) towards the sanction of
financial assistance to the selected Innovative projects of UG final year students of BE / B.Tech.

Further, you are hereby informed to distribute the amount to the concerned students and
get an acknowledgement for the same.

Original copy of the acknowledgements should be submitted to the undersigned on or
before 30th September 2021.

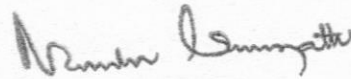
Encl: as above


REGISTRAR
18/9/21

18/9/21

AS/A/C
28/9/21




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SIET, TUMAKURU.



19.20

Visvesvaraya Technological University

"Jnana Sangama", Belgaum - 590 018

Prof A S Deshpande B.E. ME., Ph.D.
REGISTRAR

Phone: (0831) 2405468

Fax : (0831) 2405467

Ref No. VTU/Aca/A13/2020-21/ 5057/15

Date: 5 JAN 2021

To,
The Principal
Shridevi Institute of Engg, & Technology, Maranehalli,
Shira Road, TUMKUR-06

Sir,

Sub : Sanction of Financial Assistance to the selected projects of UG
students of your Institution...reg.

Ref : VTU/BGM/Aca-OS/Gen-Cirs/2019-20/10300 dated : 11-03-2020.

With reference to the above subject, please find herewith a DD Bearing No. 642791
Dated: 21-12-2020 of Rs. 60,000/- (Rupees Sixty Thousand Only) towards the sanction of financial
assistance to the selected projects of UG students of BE and B.Tech. In this regard you are here by
requested to distribute the amount to the concerned students and get an acknowledgement for the
same.

Original copy of the acknowledgement should be sent to the undersigned on or before 12th Jan
2021

Encl : as above

04-1-21
REGISTRAR

Principal
PRINCIPAL
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Page | 47



Visvesvaraya Technological University

"Jnana Sangama", Belgaum - 590 018, Karnataka State

Dr. H.N. Jagannatha Reddy, BE,ME,Ph.D
REGISTRAR

Phone : (0831) 2405468

Fax : (0831) 2405467

Ref. No:VTU/Aca/2018-19/ 1884/50

Date: 4 JUN 2018

To,
The Principal
Shridevi Institute of Engineering & Technology, Tumakuru

Sir/Madam,

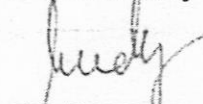
Sub: Sanction of Financial Assistance to the selected projects of UG students of your Institution

Ref: VTU/Aca/2017-18/9702, dtd: 18th January 2018

With reference to the above subject, please find herewith a D.D Bearing No 636200, Dated 25-May-18 of Rs. 70,000 towards the sanction of Financial Assistance to the selected projects of UG students. You are requested to give the amount to the concerned students and obtain an acknowledgement for the same.

The students' receipt of acknowledgement should be sent to the undersigned on or before 15-6-2018.

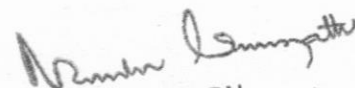
Yours faithfully

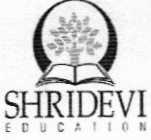

REGISTRAR

Encl: as above

*R&D Docum
Departm
of the
Candidate
AMM*




PRINCIPAL
SIET., TUMAKURU.



Ref.: SIET. No. HOD/ISE/2022/Circular/01

Date: 06-07-2022

Circular

Dr. G.V.Prabhushankar, Professor and Dean (Academic), Siddaganga Institute of Technology, Tumkur-572103, has been appointed as VTU Nominee to supervise the selection of Innovative Projects of Final Year Under-Graduate students for Financial Assistance during the Academic Year 2021-22 from Visvesvaraya Technological University, Belagavi.

Heads of Departments are informed to constitute selection committee and the composition shall be as follows

- | | |
|---|------------|
| 1. Principal | – Chairman |
| 2. Head of the Department | – Member |
| 3. Two Subject Experts/Senior Professors/Industry Experts | – Members |
| 4. Dr. G.V.Prabhushankar., VTU Nominee | - Member |

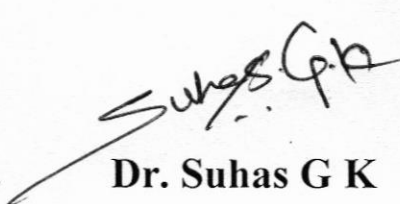
The presentation of Final Year Innovative Projects is proposed to be conducted on 11-07-2022 from 2:30 PM through **ONLINE. (Link has been sent to email IDs)**. The maximum time allotted is strictly limited to maximum of 08 minutes (6 min. for Presentation + 2 min. for interaction). Presentation shall focus on Objectives, Methodology and Outcomes only. Heads of Departments are informed to instruct Students and their Project Supervisor to make presentation as per the schedule attached.

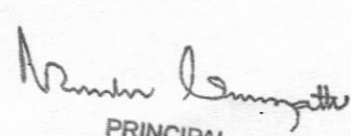
Hardcopy of the following details shall be submitted to the office of HOD, ISE and mail softcopy to suhask300@gmail.com before 13-07-2022, 6 pm.

Annexure-1: Student Project Proposal in format provided by VTU

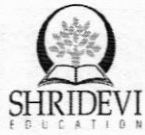
Annexure-2: Selection Committee Meeting proceedings

Annexure-3: Bank details of the students


Dr. Suhas G K


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PRINCIPAL
SHRIDEVI INSTITUTE OF
ENGINEERING & TECHNOLOGY
TUMKUR - 572106.



Sri Shridevi Charitable Trust (R)
SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Sira Road, Tumkuru – 572 106. Karnataka.



Schedule of Online Presentation of Proposed Innovative Projects of
Final Year UG Students for Financial Assistance

11-07-2022, MONDAY

<i>Time</i>	<i>Project</i>	<i>Department</i>
02:30 to 02:38	CSE/BATCH 1	CSE
02:38 to 02:46	CSE/BATCH 2	CSE
02:46 to 02:54	EEE/BATCH.1	EEE
02:54 to 03:02	EEE/BATCH 2	EEE
03:02 to 03:10	ECE/BATCH 1	ECE
03:10 to 03:18	ECE/BATCH 2	ECE
03:18 to 03:26	CV/BATCH 1	CV
03:26 to 03:34	CV/BATCH 2	CV
03:34 to 03:42	ME/BATCH 1	ME
03:42 to 03:50	ME/BATCH 2	ME



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SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Recognised by Govt. of Karnataka, Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)

Sira Road, Tumakuru - 572 106. Karnataka.



An ISO 9001:2015 Certified Institution

Phone: 0816-2212629 | Fax: 0816-2212628 | Email: info@shrideviengineering.org | Web: http://www.shrideviengineering.org

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

ACADEMIC YEAR: 2020-21

Ref No/SIET/ EEE/2020-21/01

Date: 02-07-2021

Proceedings of Project Presentations held on 22-06-2021

The following members were present during the project presentation

1. Dr. Narendra Vishwanath, Principal SIET Tumkuru
2. Dr. Shankara Murthy A. G, Prof in BIET, Davanagere (VTU Nominee)
3. Mr. G. H. Ravikumar, HoD, EEE Department, SIET Tumkuru
4. Dr. L. Sanjeevkumar, HoD, EEE Department, SSIT Tumkuru
5. Mr. Damodhar, Asst Professor in EEE Dept, Sapthagirir College of Engineering-BANGALORE
6. Dr. Charan. K. V, Associate Professor ,CSE Dept SIET Tumkuru
7. Mrs. Umabai, Project Coordinator, EEE Department SIET Tumkuru

Project Presentation Proceedings;

1. As a part of VTU sponsored student project proposal "VTU Project Presentation" was scheduled and conducted on 22-06-2021 from 3PM to 5PM
2. The event started with welcome speech by. Dr. Charan. K. V, Project committee coordinator.
3. Project presentation with "ELEVATOR FOR BLIND PEOPLE USING VOICE RECOGNITION SYSTEM" under the guidance of Mr. G. H. RAVIKUMAR
4. Second project presentation with "SOLAR POWERED SMART IRRIGATION CONTROL SYSTEM USING IOT TECHNOLOGY" under the guidance of Mrs. Umabai

Each presentation took place for about 30 to 40 minutes where the project students presented by the ideas related to the subject of the project, the subject experts suggested few ideas related to the same. Further modifications were incorporated by both the teams as suggested by the experts.

The event was concluded by vote of thanks delivered by Dr. Charan. K. V, Project committee coordinator

G. H. Ravikumar

Mr. G. H. Ravikumar
HoD/ EEE Dept

Head of the Department

Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

Dr. Narendra Vishwanath

Dr. Narendra Vishwanath
Principal SIET

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SHRIDEVI INSTITUTE OF
ENGINEERING & TECHNOLOGY
TUMKUR - 572106.

Visvesvaraya Technological University
"JnanaSangama"

Belagavi: 590018 Karnataka,
India.

Tele: 0831-2498225 ,2405454

VTU Sponsored Student Project Proposal Format

01	Academic Year :	2021-2022	
02	Semester :	8 th semester	
03	Name of the College :	Shridevi Institute of Engineering and Technology, Tumkur.	
04	Branch:	MECHANICAL ENGINEERING	
05	Project Title:	DESIGN AND FABRICATION OF AUTOMATIC TOOL FOR FIXING AND REMOVAL OF MULTIPLE NUTS IN CAR WHEELS	
06	Project Discipline:	Car Automobiles	
07	Principal	Name:	Dr. Narendra Viswanath
		Contact No:	9686114899
		Email id:	principal@shrideviengineering.org
08	HOD	Name:	Mr B H Vasudevamurthy
		Contact No:	9611859047
		Email id:	bhvmurthy@gmail.com
09	Project Guide	Name:	Mr K P Chandraiah
		Contact No:	8660369374
		Email id:	kpccipet@gmail.com
10	Project Co-Guide(If any)	Name:	
		Contact No:	
		Email id:	
11	Project Committee coordinator	Name:	Dr. G K Suhas
		Contact No:	7411177789
		Email id:	Sahas300@gmail.com



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(Identified by the college):

12

Name of project group Members

1. Group leader and Member

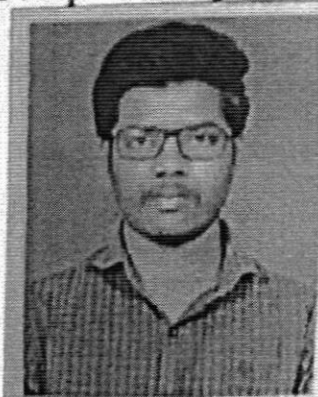
Name: Manjunatha D P

USN No. : 1SV19ME400

Contact No: 9538924877

Email id: dpmanjunath0999@gmail.com

Passport size photo



2. Member

Name: Roushan Ali Khan

USN No. : 1SV18ME009

Contact No: 8970481427

Email id:
roushanalikhan2000@gmail.com

Passport size photo



3. Member

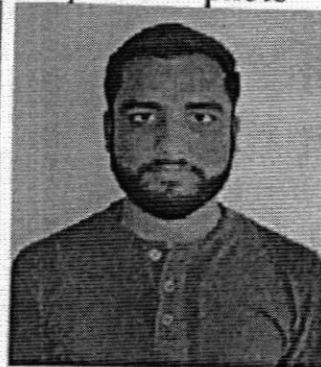
Name: Sajid Alam

USN No. : 1SV19ME403

Contact No: 7348976812

Email id: sajidsilva403@gmail.com

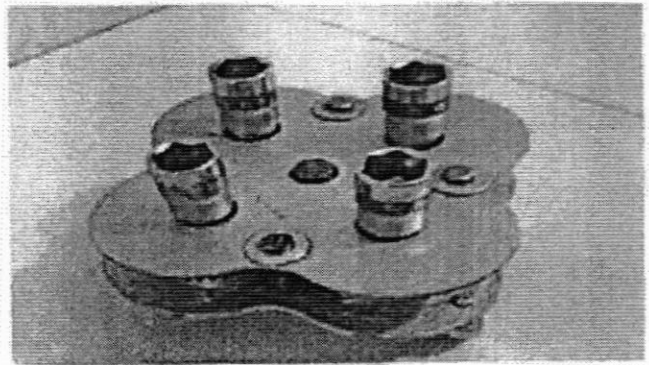
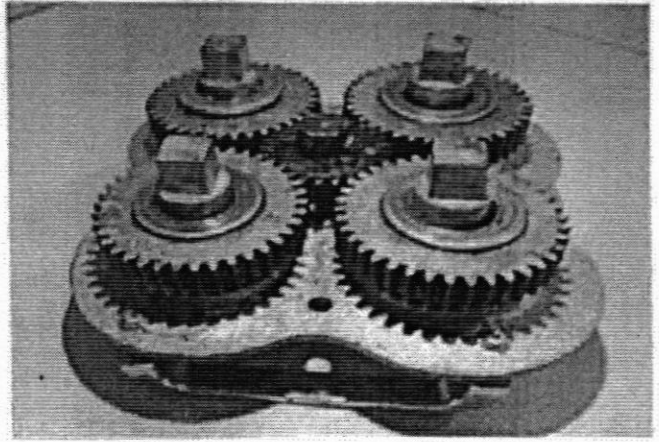
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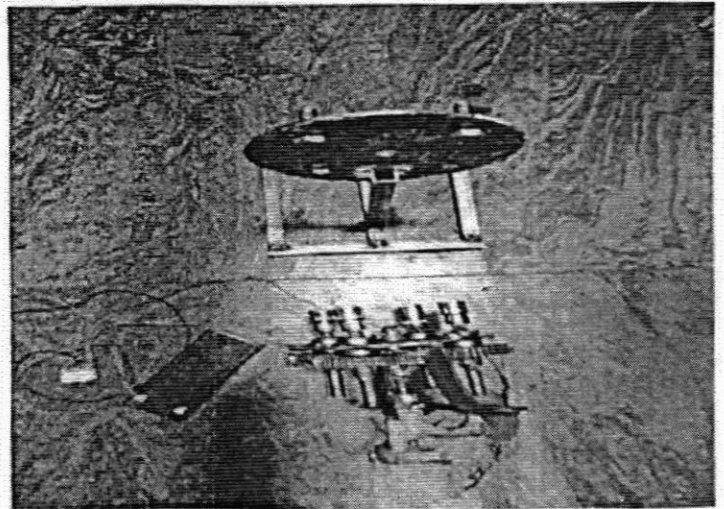
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15

Expected Outcome of the project:



Multi-nut tightener



16

Application of the project :

- Automobile workshops
- Automobile
- Junkyards

Nandha Kumar
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17

Budget details
with Materials
required:

SL NO	Component	Quantity	Prize
1	Spur Gear(pinion)	4	2800
2	Spur Gear (Sun)	1	500
3	Battery(12volt)	1	900
4	Shafts	4	700
5	Socket Spanner (Box)	5	900
6	Nut and Bolt	4	100
7	Base or Cover Plate	2	260
8	Washer	12	40
9	DC Motor(12volt)	1	1500
10	Grease	-	150
11	Ball bearing	-	100
12	M-seal and Araldite	2	250
13	Transportation	-	1200
14	welding	-	1500
15	Cnc	-	2000
16	Report	-	1000
17	Labour cost	-	1200
Total			=15100

18

Date of commencement of the Project :

22-12-2021

19

Probable date of completion of the project :

20-6-2022

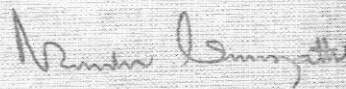
20

Duration of project work :

6 months

21

Pert chart for completion of the project in said duration as per



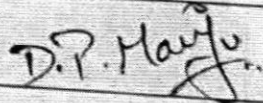
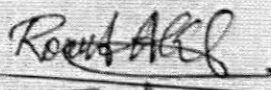
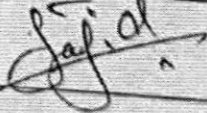
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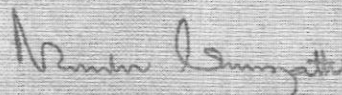
DECLARATION BY THE STUDENTS

We, the project group members hereby declare that the details enclosed in the project proposal are true and correct to the best of our knowledge. We undertake to inform VTU, of any changes there in the project title, students name will be intimated immediately. In case, any of the above information is found to be false or untrue or misleading, we are aware that we may be held liable for it.

We are aware that the project group has to exhibit / demonstrate the project for evaluation in the VTU Regional centre and for exhibition at VTU, Belagavi. If the project group fails to attend the evaluation in regional centre and for Exhibition in VTU Belagavi, the sponsored project amount will be returned back to VTU immediately

We also hereby, enclose the endorsement form to VTU, Belagavi.

SL.No	Name of the Student	Signature with date
01	D P Manjunatha	
02	Roushan Ali Khan	
03	Sajid Alam	
04		
05		



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SRI SHRIDEVI CHARITABLE TRUST (R.)

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

(An ISO 9001 : 2008 Certified Institution)

Sira Road, Tumkur - 572 106, Karnataka, India.

(Affiliated to Visvesvaraya Technological University &

Approved by AICTE, New Delhi Vide 06/06/KTK/ENGG/02/017 Dt. 27-05-2002)

Phone : 0816 - 2212627, 2212628, 2212629 Tele Fax : 0816-2212629



Mail : shridevi_let@indiatimes.com

/info@shrideviengineering.org

Web. www.shridevieducation.org

ENDORSEMENT

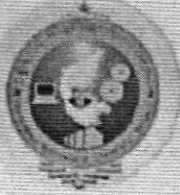
This is to certify that

- 1] DP Manjunatha (1SV19ME400)
- 2] Roushan Ali Khan (1SV18ME009)
- 3] Sajid Alam (1SV19ME403)

are bonafide students of Department of Mechanical Engineering, of our institution. If the project proposal submitted by these students under VTU Sponsored Student Project Proposal is selected by VTU, we will provide the required laboratory / Computer / infrastructure support in our college / Institution, Further we also take necessary steps that the project group will exhibit / demonstrate their project in the Regional centre and for exhibition at VTU, Belagavi. If the student group fails to attend the evaluation in Regional centre and exhibition at VTU Belagavi, the supported project amount will be returned back to VTU immediately.

Signature of Project Guide with date	Signature of HOD with Seal and date	Signature of the Principal with Seal and date
 (Mr K P Chandraiah) 11/7/22	 (Mr B H Vasudevamurthy) H.O.D Dept. of Mechanical S.I.E.T., TUMKUR - 572106	 (Dr Narendra Viswanath) PRINCIPAL SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY TUMKUR - 572106

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Visvesvaraya Technological University
"JnanaSangama"
Belagavi: 590018
Karnataka, India.
Tele: 0831-2498225 ,2405454

VTU Sponsored Student Project Proposal Format

01	Academic Year :	2021-2022	
02	Semester :	8 th semester	
03	Name of the College :	Shridevi institute of engineering and technology Tumkur -57201	
04	Branch:	Electrical and electronics Engineering	
05	Project Title:	Analysis Design and Implementation of WPT System For EV's Battery Charging Based On Optimal Operation Frequency Range	
06	Project Discipline:	Wireless power transfer	
07	Principal	Name:	Dr. Narendra viswanath
		Contact No:	9686114899
		Email id:	principal@shrideviengineering.org
08	HOD	Name:	G.H. Ravikumar
		Contact No:	9448945314
		Email id:	ravikumargh17@gmail.com
09	Project Guide	Name:	Tanuja k.S
		Contact No:	8310630893
		Email id:	kstanuja1@gmail.com
10	Project Co-Guide(If any)	Name:	G.H. Ravikumar
		Contact No:	9448945314
		Email id:	ravikumargh17@gmail.com
11	Project Committee coordinator (Identified by the college) :	Name:	Dr. G K Suhas
		Contact No:	7411177789
		Email id:	Suhas300@gmail.com

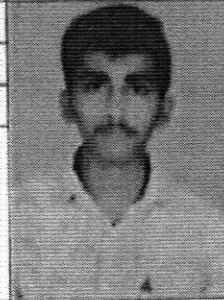
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**Name of project group
Members**

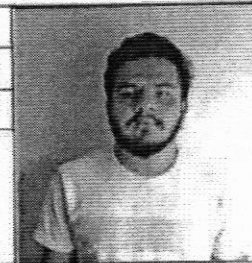
1. Group leader and Member

Name: Preetham M
 USN No. : 1sv18ee007
 Contact No: 9483593791
 Email id:preethammanjunath6836@gmail.com



2. Member

Name: Mohammed luqmann
 USN No. : 1sv18ee005
 Contact No:7892585638
 Email id: mohammedluqmaan0321@gmail.com



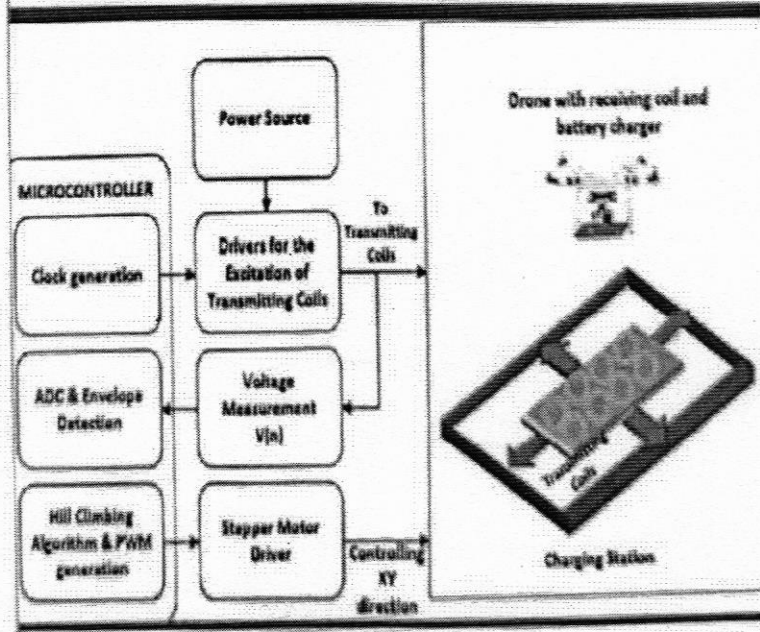
13 Scope / Objectives of the project:

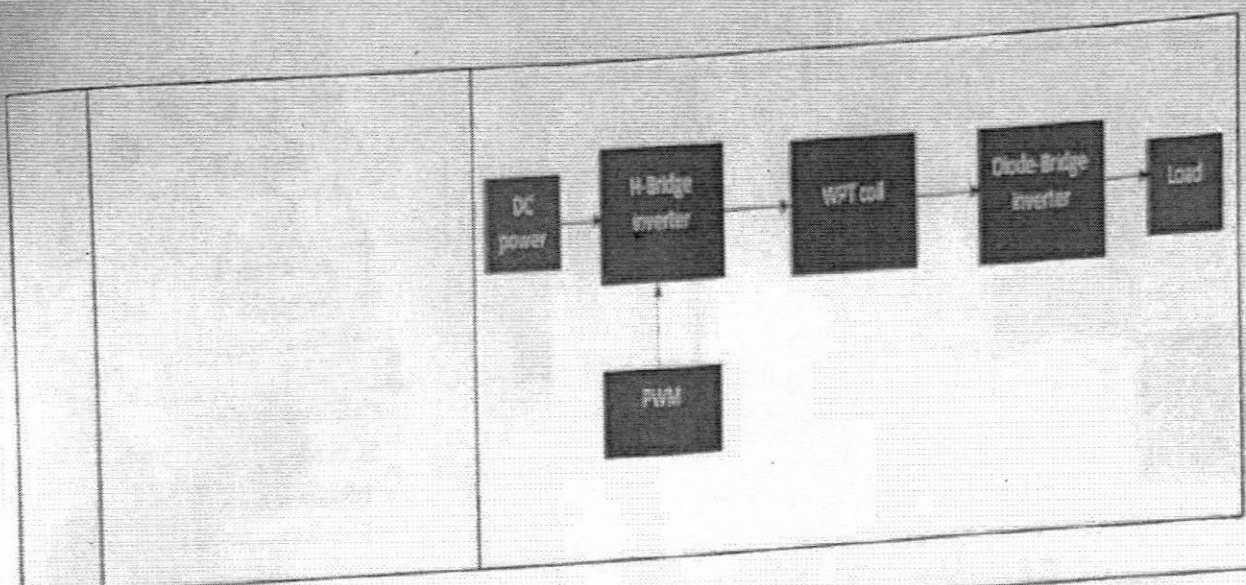
1. Optimal operation Frequency range
2. To enhance the optimized electrical parameters
3. To achieve very high overall efficiency
4. To analyse the system under steady state & dynamic process

**14 Methodology of work:
(Including diagram, flow chart and design calculations)**

1. Optimized electrical parameter design method
2. Three-loop control strategy
3. Variable frequency phase sift control strategy
4. Zero voltage switching met

Preetham Manjunath
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15	Expected Outcome of the project:	The project is to implement the wireless power transfer For electric vehicle battery charging based on optimal operation of frequency range.
16	Application of the project :	The presented project can be used for electric buses and cars.
17	Budget details with Materials required:	Materials & consumables :- 15000 Labour:- 4000 Travel :- 2000 Report:-2000 Miscellaneous:-1000 Total:- 24000
18	Date of commencement of the Project :	08-12-2021
19	Probable date of completion of the project :	10-06-2022
20	Duration of project work :	7 months
21	Pert chart for completion of the project in said duration as per	

PLANNED ACTIVITIES:

Sl.No	Activities Planned	1 Month/ Week	2 Month/ Week	3 Month/ Week	4 Month/ Week	5 Month/ Week	6 Month/ Week
01	Literature review	33 Days 08-12-2021 To 11-01-2022					
02	Planning/ Designing		28 Days 12-01-2022 to 0-02-2022				
03	Assembly/ Fabrication work			34 Days 11-02-2022 To 15-03-2022			

[Signature]
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04	Final Testing				38 Days 16-04-2022 To 24-05-2022	
05	Result & Calculation/ Conclusion				07 Days 25-05-2022 To 02-06-2022	
06	Preparation of Report & Submission					07 Days 03-06-2022 To 10-06-2022

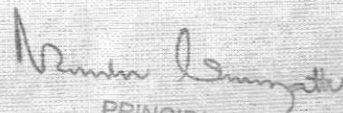
DECLARATION BY THE STUDENTS

We, the project group members hereby declare that the details enclosed in the project proposal are true and correct to the best of our knowledge. We undertake to inform VTU, of any changes there in the project title, students name will be intimated immediately. In case, any of the above information is found to be false or untrue or misleading, we are aware that we may be held liable for it.

We are aware that the project group has to exhibit / demonstrate the project for evaluation in the VTU Regional centre and for exhibition at VTU, Belagavi. If the project group fails to attend the evaluation in Regional centre and for Exhibition in VTU Belagavi, the sponsored project amount will be returned back to VTU immediately

We also hereby, enclose the endorsement form to VTU, Belagavi.

SL.No	Name of the Student	Signature with date
01	Preetham M	Preetham M. / 24/06/22
02	Mohammed luqmann	Luqmann / 24/06/22


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Sri Shridevi Charitable Trust (R.)

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

ESTD: 2002



Sira Road, Tumkur - 572 106, Karnataka, India.

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org

Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi

ENDORSEMENT

This is to certify that

- 1] Preetham M
- 2] Mohmmmed Luqmann

Are bonafide students of Department in Electrical and Electronics branch of our institution. If the project proposal submitted by these students under VTU Sponsored Student Project Proposal is selected by VTU, we will provide the required laboratory / Computer / infrastructure support in our college / Institution. Further we also take necessary steps that the project group will exhibit / demonstrate their project in the Regional centre and for exhibition at VTU, Belagavi. If the student group fails to attend the evaluation in Regional centre and exhibition at VTU Belagavi, the supported project amount will be returned back to VTU immediately.

Signature of Project Guide with date	Signature of HOD with Seal and date	Signature of the Principal with Seal and date
 Mrs. K. S. Tanuja 24/6/2024	 Mr. G.H. Ravikumar Head of the Department Electrical & Electronics Engineering Shridevi Institute of Engineering & Technology TUMKUR-572106.	 Dr. Narendra Viswanath PRINCIPAL SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY TUMKUR - 572106.

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Visvesvaraya Technological University
“JnanaSangama”

Belagavi: 590018 , Karnataka,India.
 Tele:0831-2498225,2405454

VTU Sponsored Student Project Proposal

01	Academic Year:	2021 – 2022	
02	Semester :	VIII	
03	Name of the College:	SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY, TUMKUR.	
04	Branch:	Electronics and communication Engineering	
05	Project Title:	Speech To Text Converter Using Embedded C	
06	Project Discipline:	Embedded System	
07	Principal	Name:	Dr. NARENDRA VIS WANATH
		ContactNo:	9686114899
		Emailid:	principal@shrideviengineering.org
08	HOD	Name:	Prof.AIJAZ AHAMED SHARIEF
		ContactNo:	9686114867
		Emailid:	Hod.ece@shrideviengineering.org
09	Project Guide	Name:	Prof.PRADEEPKUMAR S S
		ContactNo:	9620305689
		Emailid:	sspradeepsit@gmail.com
10	Project Co-Guide(If any)	Name:	
		ContactNo:	NOT APPLICABLE
		Emailid:	
11	Project Committee coordinator (Identified by the college):	Name:	Dr. SUHAS G K
		ContactNo:	7411177789
		Emailid:	Suhask300@gmail.com

(Signature)

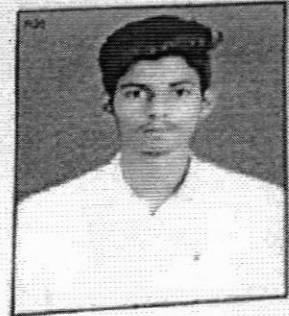
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12

Name of project group Members

1. Group leader and Member

Name: NAGESH D R
USNNo.: ISV18EC014
ContactNo: 7259848186
Emailid: nageshdr07@gmail.com



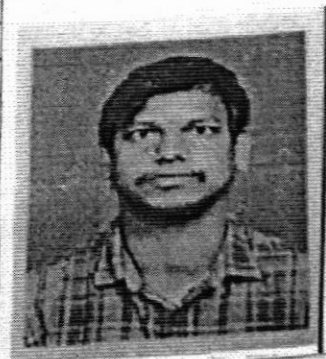
2. Member

Name: SWAMY M
USNNo.: ISV19EC405
ContactNo: 7483534143
Emailid: swamysv8879@gmail.com




3. Member

Name: PRAVEEN G D
USNNo.: ISV19EC404
ContactNo: 7975880607
Emailid: gdpraveengd@gmail.com



Principal
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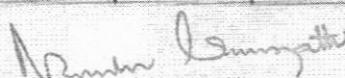
13	Scope / Objectives of the project:	Speech-to-text is an assistive technology in which students dictate their original work to a word processing program which converts the student's speech into text on the screen, enabling students who have difficulty typing and writing by hand to produce written work more efficiently.
14	Methodology of work: (Including diagram, flow chart and design calculations)	<pre> graph TD SmartPhone[Smart phone] --> HC05[HC-05] HC05 --> Arduino[Arduino uno] Power[Power] --> Arduino Arduino --> LCD[LCD] Arduino --> PeSerial[PeSerial] PeSerial --> ToSave[To save] </pre>
15	Expected Outcome of the project:	Improved reading rates, increased time spent on reading and performed better on comprehension measures. They also noted that both elementary-aged and secondary students improved their reading rates when using TTS.


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16	Application of the project:	It is used in Academic institutions Its used in Corporate Companies It is used in Diomestic applications.																	
17	Budget details with Materials required:	<table border="1"> <thead> <tr> <th>COMPONENTS</th> <th>AMOUNT</th> </tr> </thead> <tbody> <tr> <td>1. AURDINO UNO</td> <td>RS-/ = 1500</td> </tr> <tr> <td>2. MULTI O/P POWER SUPPLY</td> <td>RS-/ = 1500</td> </tr> <tr> <td>3. LCD DISPLY 2*16</td> <td>RS-/ = 1000</td> </tr> <tr> <td>4. LCD BASE BOARD</td> <td>RS-/ = 800</td> </tr> <tr> <td>5. ACCESSORIES</td> <td>RS-/ = 2000</td> </tr> <tr> <td>6. BLUETOOTH MODULE</td> <td>RS-/ = 1200</td> </tr> <tr> <td>TOTAL COST</td> <td>RS-/ = 8000</td> </tr> </tbody> </table>	COMPONENTS	AMOUNT	1. AURDINO UNO	RS-/ = 1500	2. MULTI O/P POWER SUPPLY	RS-/ = 1500	3. LCD DISPLY 2*16	RS-/ = 1000	4. LCD BASE BOARD	RS-/ = 800	5. ACCESSORIES	RS-/ = 2000	6. BLUETOOTH MODULE	RS-/ = 1200	TOTAL COST	RS-/ = 8000	
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5. ACCESSORIES	RS-/ = 2000																		
6. BLUETOOTH MODULE	RS-/ = 1200																		
TOTAL COST	RS-/ = 8000																		
18	Date of commencement of the Project:	04/01/2022																	
19	Probable date of completion of the project:	26/06/2022																	
20	Duration of project work :	6 months																	
21	Per chart for completion of the project in said duration as per																		

Planned activities:

Sl.No	Activities Planned	1 Month/ Week	2 Month/ Week	3 Month/ Week	4 Month/ Week	5 Month/ Week	6 Month/ Week
01	Literature review						
02	Planning/ Designing						
03	Assembly/ Fabrication work						
04	Final Testing						
05	Result & Calculation/ Conclusion						
06	Preparation of Report & Submission						


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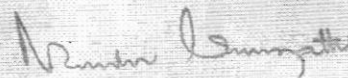
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We also here by, enclose the endorsement form to VTU, Belagavi.

SL.No	Name of the Student	Signature with date
01	NAGESH D R	Nagesh. DR 27/06/2022
02	SWAMY M	Swamy. M 27/6/2022
03	PRAVEEN G D	Praveen. G. D. 27/6/2022



PRINCIPAL
SIET, TUMAKURU.

Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

ESTD: 2002



Sira Road, Tumkur - 572 106, Karnataka, India.

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org

Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi

This is to certify that

- 1] NAGESH D R (1SV18EC014)
- 2] SWAMY M (1SV19EC405)
- 3] PRAVEEN G D (1SV19EC404)

Are bonafied students of Department in **Electronics & Communication Engineering** of our institution. If the project proposal submitted by these students under VTU Sponsored Student Project Proposal is selected by VTU, We will provide the required laboratory/Computer/Infrastructure support in our college/Institution. Further we also take necessary steps that the project group will exhibit / demonstrate their project in the Regional centre and for exhibition at VTU, Belagavi. If the student group fails to attend the evaluation in Regional centre and exhibition at VTU Belagavi, the supported project amount will be returned back to VTU immediately.

Signature of Project Guide with date	Signature of HOD with Seal and date	Signature of the Principal with Seal and date
 27/06/22	 27/06/2022 HOD Dept of E&C SIET, Tumkur-6	 27/6/22 PRINCIPAL SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY TUMKUR - 572106.

PRINCIPAL
 SHRIDEVI INSTITUTE OF
 ENGINEERING & TECHNOLOGY
 TUMKUR - 572106.

PRINCIPAL
 SIET., TUMAKURU.

Visvesvaraya Technological University
“Jnana Sangama”

Belagavi: 590018, Karnataka, India.

Tele: 0831 - 2498225, 2405454

VTU Sponsored Student Project Proposal

01	Academic Year:	2021-22	
02	Semester :	VIII	
03	Name of the College:	SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY,TUMKURU	
04	Branch:	Electronics and Communication Engineering	
05	Project Title:	Coin- based electric vehicle battery charging	
06	Project Discipline:	Embedded system	
07	Principal	Name:	Dr. NARENDRA VISWANATH
		ContactNo:	9686114899
		Emailid:	principal@shrideviengineering.org
08	HOD	Name:	Prof. ALJAZ AHMED SHARIEF
		ContactNo:	9686114867
		Emailid:	Hod.ece@shrideviengineering.org
09	Project Guide	Name:	Dr. PRADEEP K G M
		ContactNo:	7780440815
		Emailid:	Pkgm777@gmail.com
10	Project Co-Guide(If any)	Name:	NOT APPLICABLE
		ContactNo:	
		Emailid:	
11	Project Committee coordinator (Identified by the college):	Name:	Dr. SUHAS G K
		ContactNo:	7411177789
		Emailid:	Suhask300@gmail.com

Narendra Viswanath

PRINCIPAL
S.E.T. TUMKURU

12

Name of Project Group Members

1. Group leader and Member

Name: SRINIVAS C
 USN No.: ISV18EC023
 Contact No.: 7892350906
 Email id: srinivasc7892@gmail.com



2. Member

Name: MAHADEVAIAH M B
 USN No.: ISV19EC402
 Contact No.: 7026611730
 Email id: manumb168@gmail.com



3. Member

Name: KETHAN RAJ S
 USN No.: ISV18EC010
 Contact No.: 8197052101
 Email id: kethanraj848@gmail.com



4. Member

Name: RAVISH KUMAR
 USN No.: ISV17EC012
 Contact No.: 9771477769
 Email id: ravishsingh666@gmail.com



13 Scope / Objectives
of the project:

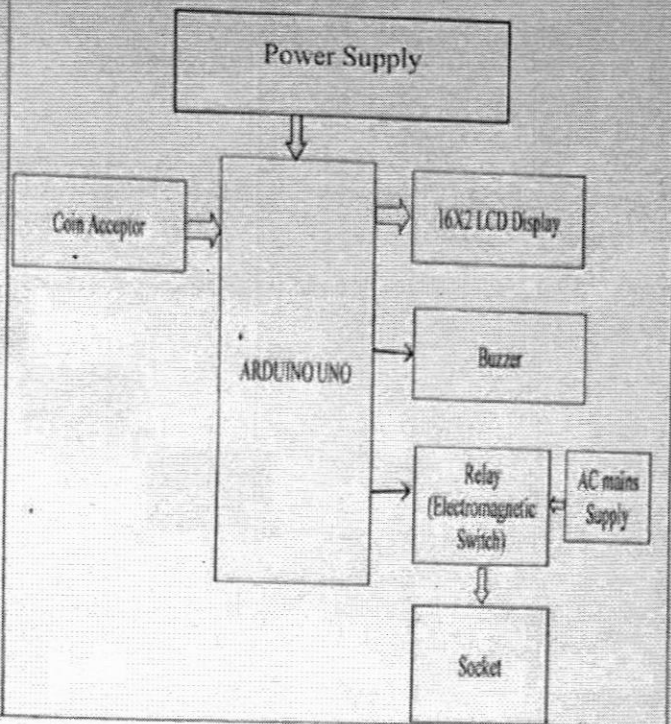
To design and test the coin based lead acid battery charger for 2 different coins.
 To train coin acceptor with Arduino uno

Principal Signature

PRINCIPAL
SIET., TUMAKURU.

4 Methodology of work:

(Including diagram, flow chart and design calculations)



15	Expected Outcome of the project:	This project is designed with the coin acceptor. when the coin is dropped between the transmitter and receiver, the coin cuts the IR radiation for a second.																					
16	Application of the project:	Useful to public for using coin to charge the battery at any place. It is used for emergency charging purposes.																					
17	Budget details with Materials required:	<table border="1"> <thead> <tr> <th>COMPONENTS</th> <th>AMOUNT</th> </tr> </thead> <tbody> <tr> <td>Multi coin acceptor</td> <td>Rs/-4,484</td> </tr> <tr> <td>Arduino uno</td> <td>Rs/-885</td> </tr> <tr> <td>Relay</td> <td>Rs/-413</td> </tr> <tr> <td>Lead acid battery 12v 7.2 Ah</td> <td>Rs/-1,180</td> </tr> <tr> <td>12v 0.5maH battery charger</td> <td>Rs/-2,183</td> </tr> <tr> <td>3pin socket</td> <td>Rs/-59</td> </tr> <tr> <td>Multistand wires</td> <td>Rs/-177</td> </tr> <tr> <td>Lead</td> <td>Rs/-147.50</td> </tr> <tr> <td>Total amount</td> <td>Rs/-9,528.50</td> </tr> </tbody> </table>	COMPONENTS	AMOUNT	Multi coin acceptor	Rs/-4,484	Arduino uno	Rs/-885	Relay	Rs/-413	Lead acid battery 12v 7.2 Ah	Rs/-1,180	12v 0.5maH battery charger	Rs/-2,183	3pin socket	Rs/-59	Multistand wires	Rs/-177	Lead	Rs/-147.50	Total amount	Rs/-9,528.50	
COMPONENTS	AMOUNT																						
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3pin socket	Rs/-59																						
Multistand wires	Rs/-177																						
Lead	Rs/-147.50																						
Total amount	Rs/-9,528.50																						
18	Date of commencement of the Project:	04/01/2022																					
19	Probable date of completion of the project:	26/06/2022																					
20	Duration of project work :	6 months																					
21	Pert chart for completion of the project in said duration as per planned activities:																						

(Signature)

PRINCIPAL
SIET, TUMAKURU.

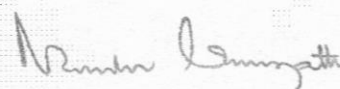
DECLARATION BY THE STUDENTS

We, the project group members hereby declare that the details enclosed in the project proposal are true and correct to the best of our knowledge. We undertake to inform VTU, of any changes there in the project title, students name will be intimated immediately. In case, any of the above information is found to be false or untrue or misleading, we are aware that we may be held liable for it.

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We also here by, enclose the endorsement form to VTU, Belagavi.

SL.No	Name of the Student	Signature with date
01	SRINIVAS C	<u>Srinivas C</u> 27/06/22
02	MAHADEVAIAH M B	Matadevaiah 27/06/22
03	KETHAN RAJ S	<u>Kethan Raj S</u> 27/06/22
04	RAVISH KUMAR	Ravish Kumar 27/06/22



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Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

ESTD: 2002



Sira Road, Tumkur - 572 106, Karnataka, India.

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

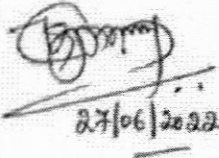
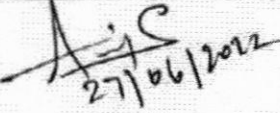
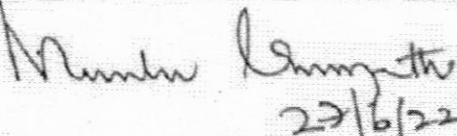
Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org


Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi

This is to certify that

- 1] SRINIVAS C (1SV18EC023)
- 2] MAHADEVAIAH M B (1SV19EC402)
- 3] KETHAN RAJ S (1SV18EC010)
- 4] RAVISH KUMAR (1SV17EC012)

Are bonafied students of Department in **Electronics & Communication Engineering** of our institution. If the project proposal submitted by these students under VTU Sponsored Student Project Proposal is selected by VTU, We will provide the required laboratory/Computer/Infrastructure support in our college/Institution. Further we also take necessary steps that the project group will exhibit / demonstrate their project in the Regional centre and for exhibition at VTU, Belagavi. If the student group fails to attend the evaluation in Regional centre and exhibition at VTU Belagavi; the supported project amount will be returned back to VTU immediately.

Signature of Project Guide with date	Signature of HOD with Seal and date	Signature of the Principal with Seal and date
 27/06/2022	 27/06/2022 HOD Dept of E&C SIET, Tumkur-6	 27/6/22 PRINCIPAL SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY TUMKUR - 572106.


 PRINCIPAL
 SIET, TUMAKURU.



SHRIDEVI
EDUCATION

Sri Shridevi Charitable Trust (R.)
SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY
Sira Road, Tumkur - 572 106, Karnataka, India.

ESTD: 2002



Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628
Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org

(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

Ref: SIET/VTU/2022-23

11-07-2022

To,
The Registrar,
Visvesvaraya Technological University,
Jnanasangama,
BELAGAVI - 590018

Sir,

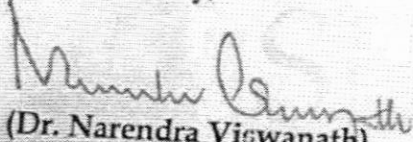
Sub: Proceedings of Innovative Projects of final year UG-students for Financial Assistance for Academic year 2021-22 conducted on 11-07-2022.

With respect to above subject I am herewith attaching the CD, proposal reports, proceedings of project presentations conducted under the supervision of Dr. G.V. Prabhushankar, nominated by VTU as per below details:

Number of reports attached: 10(Selecting 2 from each branch)
Departments: CSE, ECE, EEE, MECH, CIVIL.

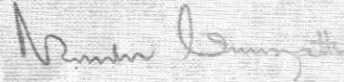
Thanking you,

Yours sincerely,


(Dr. Narendra Viswanath)

PRINCIPAL

11/7/22

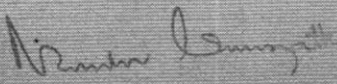


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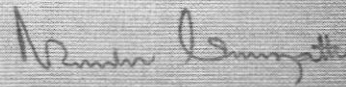
	Visvesvaraya Technological University “JnanaSangama” Belagavi: 590018 Karnataka, India. Tele: 0831-2498225 ,2405454
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VTU Sponsored Student Project Proposal Format





01	Academic Year :	2021-22	
02	Semester :	VIII	
03	Name of the College :	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY-TUMAKURU	
04	Branch:	Electrical & Electronics Engineering	
05	Project Title:	Solar Based Automatic Seeds Sowing Smart Agriculture Robot	
06	Project Discipline:	Agriculture based	
07	Principal	Name:	Dr. Narendra Viswanath
		Contact No:	9686114899
		Email id:	principal@shrideviengineering.org
08	HOD	Name:	G. H. Ravikumar
		Contact No:	9448945314
		Email id:	ravikumargh17@gmail.com
09	Project Guide	Name:	Tanuja K S
		Contact No:	8310630893
		Email id:	kstanuja1@gmail.com
10	Project Co-Guide(If any)	Name:	G. H. Ravikumar
		Contact No:	9448945314
		Email id:	ravikumargh17@gmail.com
11		Name:	Dr. Suhas G K


 PRINCIPAL
 SIET, TUMAKURU.

Project Committee coordinator (Identified by the college) :	Contact No:	7411177789
	Email id:	suhask300@gmail.com



PRINCIPAL
SIET, TUMAKURU.

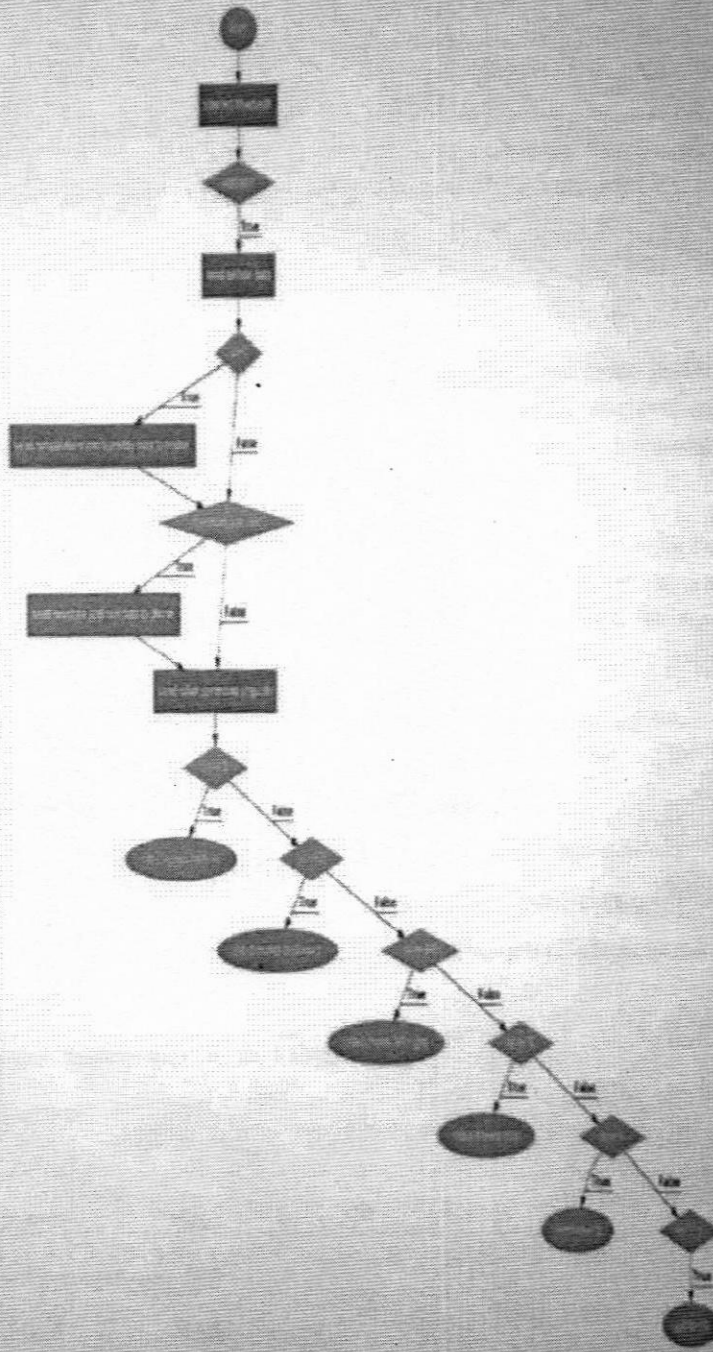
1	Name of project group Members	
2	1. Group Leader and Member	
	Name: Sharath H M USN No. : ISV19EE403 Contact No: 6362934066 Email id: reddysharath735@gmail.com	
	2. Member	
	Name: Nethravathi S M USN No. : ISV17EE006 Contact No: 7619246416 Email id: nethravathismelk@gmail.com	
	3. Member	
	Name: Shobhashree S USN No. : ISV18EE011 Contact No: 7349134880 Email id: shobha231suresh@gmail.com	
	4. Member	
	Name: Mohammed fakruddin USN No. : ISV18EE004 Contact No: 7338037528 Email id: mohammedfakruddin524@gmail.com	
	5. Member (If any)	
	Name: USN No. : Contact No: Email id:	Passport size photo
13	Scope / Objectives of the project:	<ul style="list-style-type: none"> Introduction of Cutter in place of drill can be used as digger equipment.

(Signature)
PRINCIPAL
SLET, TUMAKURU

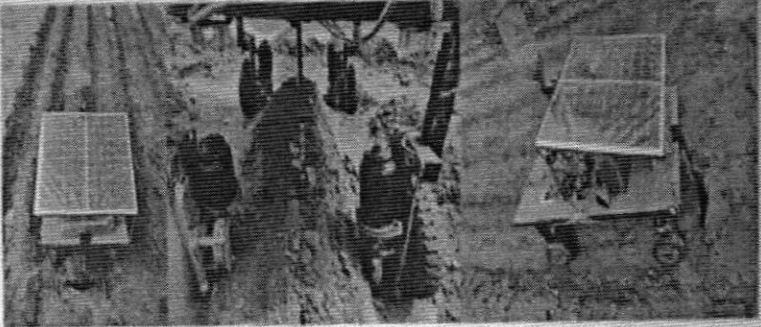
	<ul style="list-style-type: none"> • Using Bluetooth control machine can be made automatic. • Addition of multi-hopper can be attached side by side for sowing of large farm. • Water/fertilizer dripping unit could be included in seed sowing machine. • Detect rain and soil moisture. • Update the humidity and temperature for the climate. • We are using natural EV method and battery charging.
<p>14 Methodology of work: (Including diagram, flow chart and design calculations)</p>	<p>Methodology:</p> <ul style="list-style-type: none"> • In our project we are going to perform automatic seed sowing and fertilizing the sowed seeds. • Solar panel used to capture solar energy and then it is converted into electrical energy. This energy is used to charge 12V battery which is utilized by DC motors. • Seed is dropped in pit and cover the seed with soil. This process is continuously repeated till one row is completed. <p>Block diagram:</p> <pre> graph TD LCD --> ARDUINO_MEGA[ARDUINO MEGA] ADAFRUIT[ADAFRUIT KIT (OR) MOTOR DRIVER] --> ARDUINO_MEGA SERVO_MOTOR[SERVO MOTOR] <--> ARDUINO_MEGA ULTRASONIC[ULTRASONIC SENSOR] <--> ARDUINO_MEGA SOLAR_PANEL[SOLAR PANEL] --> BATTERY[BATTERY] BATTERY --> ARDUINO_MEGA ARDUINO_MEGA --> PUMP[PUMP & FLOAT SWITCH] ARDUINO_MEGA --> MOISTURE[MOISTURE SENSOR] ARDUINO_MEGA --> ROBOTIC_ARM[ROBOTIC ARM] ARDUINO_MEGA --> DC_MOTOR[DC MOTOR] </pre>

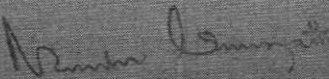
Principals Signature
 PRINCIPAL
 SIET, TOMARURU.

Flow Chart



Principal Signature
PRINCIPAL
SIET, TUMAKURU

15	Expected Outcome of the project:	 <p style="text-align: center;">(a) (b) (c)</p>
16	Application of the project:	<p>1) Farming: The design of furrow openers of seed drills varies to suit the soil conditions of particular region. Most of the seed cum fertilizer drills are provided with pointed tool to form a narrow slit in the soil for seed deposition.</p> <p>2) Gardening Seeds: are broadcasted on the soil which results in the loss and damage of the seeds. As the cost of seeds is more and cannot be affordable for the farmers so there is the need for the proper placement of seeds in the soil.</p> <p>3) Sport's Stadium: The fluted roller seed cup is having the arrangement of seed cut-off and controlling flap to control the amount of seeds and fertilizers.</p> <p>4) Agri Universities: The Harrow is one of the important agricultural equipment which is used in the fields of agriculture for seed bed preparation and weed control. This is used before the seeds are sown in the field.</p>
17	Budget details with Materials required:	<p>Materials/consumables:11000</p> <p>Labour : 5000</p> <p>Travel : 500</p> <p>Report: 1000</p> <p>Miscellaneous :500</p> <p>Total: 18000</p>
18	Date of commencement of the Project:	22/12/2021


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19	Probable date of completion of the project:	20/06/2021
20	Duration of project work:	6 months
21	Pert chart for completion of the project in said duration as per planned activities: 3	

Sl.No	Activities Planned	1 Month/ Week	2 Month/ Week	3 Month/ Week	4 Month/ Week	5 Month/ Week	6 Month/ Week
01	Literature review	08 DAYS 21-12-2021 To 28-12-2021					
02	Planning/ Designing		08 DAYS 9-01-2022 To 16-01-2022				
03	Assembly/ Fabrication work			15 DAYS 17-02-2022 04-03-2022			
04	Final Testing				08 DAYS 01-04-2022 To 8-04-2022		
05	Result & Calculation/ Conclusion					15 DAYS 15-04-2022 to 30-04-2022	
06	Preparation of Report & Submission						20 DAYS 01-05-2022 To 20-05-2022

(Signature)

PRINCIPAL
SIET, TUMAKURU.

DECLARATION BY THE STUDENTS

We, the project group members hereby declare that the details enclosed in the project proposal are true and correct to the best of our knowledge. We undertake to inform VTU, of any changes there in the project title, students name will be intimated immediately. In case, any of the above information is found to be false or untrue or misleading, we are aware that we may be held liable for it.

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We also hereby, enclose the endorsement form to VTU, Belagavi.

Sl. No	Name of the Student	Signature with date
1	Sharath H M	<i>Sharath H.M</i>
2	Nethravathi S M	<i>Nethravathi S M</i>
3	Shobhashree S	<i>Shobhashree. S</i>
4	Mohammed fakruddin	<i>M.D. Fakruddin</i>

Nandini Srinivas
PRINCIPAL
SIET, TUMAKURU



SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Sri Shridevi Charitable Trust (R.)

Sira Road, Tumkur - 572 106, Karnataka, India.

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

ESTD: 2002



Email: info@shridevlengineering.org, principal@shridevlengineering.org | Website: www.shridevlengineering.org

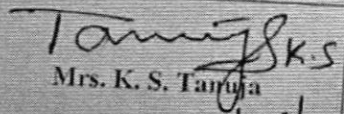
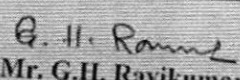
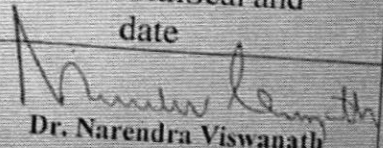
Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi

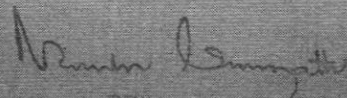
ENDORSEMENT

This is to certify that

- 1] Sharath H M
- 2] Nethravathi S M
- 3] Shobhashree S
- 4] Mohammed fakruddin

Are bonafide students of Department in Electrical and Electronics branch of our institution. If the project proposal submitted by these students under VTU Sponsored Student Project Proposal is selected by VTU, we will provide the required laboratory / Computer / infrastructure support in our college / Institution. Further we also take necessary steps that the project group will exhibit / demonstrate their project in the Regional centre and for exhibition at VTU, Belagavi. If the student group fails to attend the evaluation in Regional centre and exhibition at VTU Belagavi, the supported project amount will be returned back to VTU immediately.

Signature of Project Guide with date	Signature of HOD with Seal and date	Signature of the Principal with Seal and date
 Mrs. K. S. Tanuja 24/06/2022	 Mr. G.H. Ravikumar Head of the Department Electrical & Electronics Engineering Shridevi Institute of Engineering & Technology TUMKUR-572106.	 Dr. Narendra Viswanath PRINCIPAL SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY TUMKUR - 572106.


 PRINCIPAL
 SIET, TUMKURU

Visvesvaraya Technological University

"JnanaSangama" Belagavi: 590018 Karnataka, India.

Tele: 0831-2498225 ,2405454

VTU Sponsored Student Project Proposal Format

01	Academic Year :	2021-2022	
02	Semester :	8th	
03	Name of the College :	Shridevi institute of engineering and technology	
04	Branch:	Civil engineering	
05	Project Title:	"EXPERIMENTAL INVESTIGATION ON REPLACEMENT OF CEMENT BY FLYASH WITH ADDITION OF POLYPROPYLENE FIBRE"	
06	Project Discipline:	Civil Engineering	
07	Principal	Name:	Dr.NARENDRA VISWANATH
		Contact No:	9686114899
		Email id:	principal@shrideviengineering.org
08	HOD	Name:	Dr.MAHESH KUMAR G
		Contact No:	9448587528
		Email id:	gopannamk@gmail.com
09	Project Guide	Name:	Ms. NIRANJANI. J
		Contact No:	9071401892
		Email id:	nirureddy1510@gmail.com
10	Project Co-Guide (If any)	Name:	-
		Contact No:	-
		Email id:	-
11	Project Committee coordinator (Identified by the college):	Name:	Dr.SUHAS G K
		Contact No:	7411177789
		Email id:	suhask30@gmail.com



PRINCIPAL
SIET, TUMAKURU.

12

Name of project group Members

1. Group leader and Member

Name: CHANDAN GOWDA P
 USN No: 1SV18CV007
 Contact No: 9739395258
 Email id: chandugowda5258@gmail.com



2. Member

Name: KIRAN KUMAR M T
 USN No: 1SV17CV009
 Contact No: 7760771855
 Email id: kiranrkokumar100335@gmail.com



3. Member

Name: DEEPA R
 USN No. : 1SV18CV011
 Contact No: 8197484775
 Email id: deepsspeed14@gmail.com



4. Member

Name: JAYASHREE
 USN No. : 1SV18CV018
 Contact No: 6362607690
 Email id: jayashreeiyer3701@gmail.com



13

Scope / Objectives of the project:

1. The objective of the present investigation is to find the optimum mix design for M30 grade concrete with regards to the amount of material constituents.
2. To study the workability of concrete for various replacement level of FA.
3. To investigate the strength characteristics such as compressive strength, split tensile strength for concrete mixes of grade M30 by replacing FA as a partial

Ramesh Kumar

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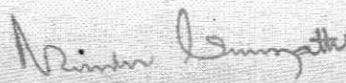
		replacement of cement with addition of 1% polypropylene fibers.
14	<p>Methodology of work: (Including diagram, flow chart and design calculations)</p> <p><i>Manjunath</i> PRINCIPAL SIET, TUMAKURU.</p>	<ol style="list-style-type: none"> 1. The materials such as fly ash, fine aggregate, coarse aggregate, M30 grade concrete and required slump are chosen. 2. The materials have been collected from a specific location and properties have been studied. 3. Using these properties, mix design is carried out with suitable w/c ratio for M30 grade of concrete. 4. Required slump is obtained experimentally by slump cone test. 5. Concrete cubes, using fly ash as a partial replacement of cement with addition of fibres will be cast to study the compressive strength of concrete. Then the cubes will be tested in compression testing machine. 6. The compressive strength of the concrete will be determined by using 150 mm concrete cube specimens. The specimens will be tested at 7 and 28 days age, in 400 tons capacity hydraulic type compression-testing machine. The cube compressive strength will be obtained by considering the average of three specimens at each age. 7. Cylinders of size 150mm by 300mm cylinders will cast to study the split tensile strength of concrete. The specimens will be tested at 7 and 28 days age, in 200 tons capacity hydraulic type compression-testing machine. The tensile strength will be obtained by considering the average of three specimens at each age.

15	Expected Outcome of the project:	<ul style="list-style-type: none"> ➤ Improved durability of the structure ➤ Increased tensile and compression strength ➤ Higher resistance to later cracking ➤ Improved crack distribution
----	---	--

		<ul style="list-style-type: none"> ➤ Improved homogeneity of fresh concrete
16	Application of the project :	<ul style="list-style-type: none"> ➤ Industrial flooring ➤ Sprayed concrete ➤ Slender structures (usually in precast plants) ➤ Fire resistant structures ➤ mortar applications (rehabilitation)
17	Budget details with Materials required:	Materials - 4000 Labour - 5000 Travel - 3000 Miscellaneous - 3000 Total = 15000
18	Date of commencement of the Project :	15/11/2021
19	Probable date of completion of the project :	30/05/2022
20	Duration of project work :	6 months
21	Pert chart for completion of the project in said duration as per	

planned activities:

Sl.No	Activities Planned	1 Month/ Week	2 Month/ Week	3 Month/ Week	4 Month/ Week	5 Month/ Week	6 Month/ Week
01	Literature review	15/11/21 To 28/11/21					
02	Planning/ Designing		01/12/21 To 23/12/21				
03	Assembly/ Fabrication work			03/01/22 To 21/01/22			
04	Final Testing				01/02/22 To 24/02/22		
05	Result & Calculation/ Conclusion					4/02/22 To 20/02/22	
06	Preparation of Report & Submission						02/05/22 To 30/05/22




 PRINCIPAL
 SIET, TUMAKURU.


DECLARATION BY THE STUDENTS

We, the project group members hereby declare that the details enclosed in the project proposal are true and correct to the best of our knowledge. We undertake to inform VTU, of any changes there in the project title, students name will be intimated immediately. In case, any of the above information is found to be false or untrue or misleading, we are aware that we may be held liable for it.

We are aware that the project group has to exhibit / demonstrate the project for evaluation in the VTU Regional centre and for exhibition at VTU, Belagavi. If the project group fails to attend the evaluation in Regional centre and for Exhibition in VTU Belagavi, the sponsored project amount will be returned back to VTU immediately

We also hereby, enclose the endorsement form to VTU, Belagavi.

SL.No	Name of the Student	Signature with date
01	CHANDAN GOWDA P	 24/06/2022
02	KIRAN KUMAR M T	
03	DEEPA R	Deepa.R 24/06/2022
04	JAYASHREE P	Jul.p 24/06/2022



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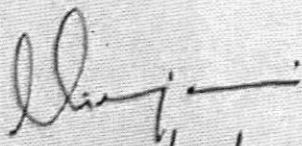
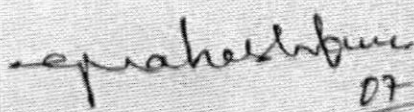
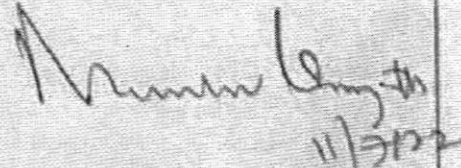


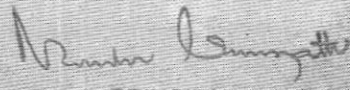
ENDORSEMENT

This is to certify that

- 1] CHANDAN GOWDA P
- 2] KIRAN KUMAR M T
- 3] DEEPA R
- 4] JAYASHREE P

Are bonafide students of Department in **CIVIL ENGINEERING**, of our institution. If the project proposal submitted by these students under VTU Sponsored Student Project Proposal is selected by VTU, we will provide the required laboratory/Computer/infrastructure support in our college/Institution. Further we also take necessary steps that the project group will exhibit / demonstrate their project in the Regional centre and for exhibition at VTU, Belagavi. If the student group fails to attend the evaluation in Regional centre and exhibition at VTU Belagavi, the supported project amount will be returned back to VTU immediately.

Signature Of Project Guide with date	Signature of HOD with Seal and date	Signature of The Principal with Seal and date
 11/07/22	 HOD Dept. of Civil Engineering SIET, TUMKUR - G.	 11/07/22 PRINCIPAL SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY TUMKUR - 572106.


 PRINCIPAL
 SIET, TUMAKURU

Visvesvaraya Technological University
"JnanaSangama"

Belagavi: 590018 Karnataka,
India.

Tele: 0831-2498225 ,2405454

VTU Sponsored Student Project Proposal Format

01	Academic Year :	2021-2022
02	Semester :	8 th semester
03	Name of the College :	Shridevi Institute of Engineering and Technology, Tumkur
04	Branch:	Computer Science & Engineering
05	Project Title:	Prediction of Job Based on Profile on Artificial Intelligence
06	Project Discipline:	Artificial Intelligence
07	Principal	Name: Dr. Narendra Viswanath
		Contact No: 9686114899
		Email id: principal@shrideviengineering.org
08	HOD	Name: Prof. C V Shanmukaswamy
		Contact No: 9448175489
		Email id: Shanmuka.c.v@gmail.com
09	Project Guide	Name: Prof. Charan K V
		Contact No: 8453485666
		Email id: charanssit@gmail.com
10	Project Co-Guide(If any)	Name:
		Contact No:
		Email id:
11	Project Committee coordinator (Identified by the college) :	Name: Dr. Suhas G K
		Contact No: 7411177789
		Email id: Suhask300@gmail.com

Narendra Viswanath
PRINCIPAL
SIET, TUMAKURU.

12

Name of project group Members

1. Group leader and Member

Name: AMULYA J M

USN No. : ISV18CS003

Contact No: 7022870934

Email id: amulyapvg1826@gmail.com



2. Member

Name: THUNGASHREE

USN No. : ISV18CS043

Contact No: 9591281372

Email id: thungashree22@gmail.com



3. Member

Name: CHAITRA M S

USN No. : ISV17CS011

Contact No: 8660435878

Email id: chaitrams chaitrams57@gmail.com



4. Member

Name: RAGHURAM

USN No. : ISV17CS034

Contact No: 9972810705

Email id: callmelucifer103@gmail.com

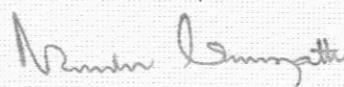


A handwritten signature in dark ink, appearing to read 'Nandini Srinivasan'.

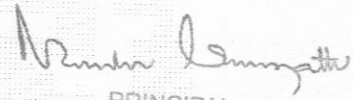
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13	Scope / Objectives of the project:	<ul style="list-style-type: none"> ● An open source project. ● High performance application. ● Handling large number of operations effectively. ● Simplify the process of finding an employee. ● Implementation of a trustable recommendation engine.
14	Methodology of work: (Including diagram, flow chart and design calculations)	<pre> graph LR A[Tokenization] --> B[Pre-processing text] subgraph B [Pre-processing text] B1[Remove Stopwords] B2[Stemming & Lemmatization] end B --> C[Feature Engineering] subgraph C [Feature Engineering] C1[Bag of Words] C2[TF-IDF] C3[Word Embedding] end C --> D[Model Building] D --> E[Model Evaluation] </pre>

15	Expected Outcome of the project:	
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16	Application of the project :	<ul style="list-style-type: none"> • This will enable a more effective way to short list submitted candidate CVs from a larger number of applicants. • The candidate here will register him/herself with all its details and will upload their own CV into the system which will be further used by the system to shortlist their CV.
17	Budget details with Materials required:	Server ---- 5000 Rs Report ---- 3000 Rs
18	Date of commencement of the Project :	Jan 2022
19	Probable date of completion of the project :	Jun 2022
20	Duration of project work :	6 months
21	Pert chart for completion of the project in said duration as per Planned activities.	


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Sl.No	Activities Planned	1 Month/ Week	2 Month/ Week	3 Month/ Week	4 Month/ Week	5 Month/ Week	6 Month/ Week
01	Literature review	10 Days 03-01-2022 To 31-09-2022					
02	Planning/ Designing		15 Days 01-02-2022 To 28-09-2022				
03	Assembly/ Fabrication work						
04	Final Testing				10 Days 04-04-2022 To 28-04-2022		
05	Result & Calculation/ Conclusion					10 Days 02-05-2022 To 17-05-2022	
06	Preparation of Report & Submission						10 Days 06-06-2022 To 20-06-2022

Nandha Lakshmi

PRINCIPAL
SIET., TUMAKURU.



SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Sri Shridevi Charitable Trust (R.)

Sira Road, Tumkur - 572 106, Karnataka, India.

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org

ESTD: 2002



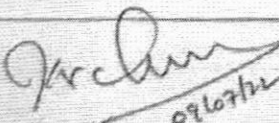
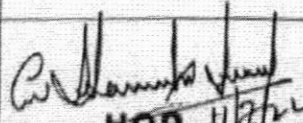
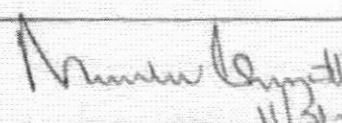
(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

ENDORSEMENT

This is to certify that

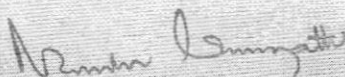
- 1] Amulya J M [ISV18CS003]
- 2] Thungashree [ISV18CS043]
- 3] Chaitra M S [ISV17CS011]
- 4] Raghuram G K [ISV17CS034]

Are bonafide students in Department of Computer science and engineering of our institution. If the project proposal submitted by these students under VTU Sponsored Student Project Proposal is selected by VTU, we will provide the required laboratory / Computer / infrastructure support in our college / Institution. Further we also take necessary steps that the project group will exhibit / demonstrate their project in the Regional centre and for exhibition at VTU, Belagavi. If the student group fails to attend the evaluation in Regional centre and exhibition at VTU Belagavi, the supported project amount will be returned back to VTU immediately.

Signature of Project Guide with date	Signature of HOD with Seal and date	Signature of the Principal with Seal and date
 09/10/22	 HOD, 11/10/22	 11/10/22

COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-06.

PRINCIPAL
SHRIDEVI INSTITUTE OF
ENGINEERING & TECHNOLOGY
TUMKUR - 572106.

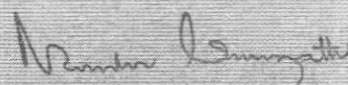


PRINCIPAL
SIET, TUMAKURU.

Visvesvaraya Technological University
 "JnanaSangama"
 Belagavi: 590018 Karnataka,
 India.
 Tele: 0831-2498225 ,2405454

VTU Sponsored Student Project Proposal Format

01	Academic Year :	2021-2022	
02	Semester :	8 th semester	
03	Name of the College :	Shridevi Institute of Engineering and Technology, Tumkur	
04	Branch:	Computer Science & Engineering	
05	Project Title:	Extraction of Data from Image PDF using OCR	
06	Project Discipline:	Machine Learning	
07	Principal	Name:	Dr. Narendra Viswanath
		Contact No:	9686114899
		Email id:	principal@shrideviengineering.org
08	HOD	Name:	Prof. Shanmukaswamy C V
		Contact No:	9448175489
		Email id:	shanmuka.c.v@gmail.com
09	Project Guide	Name:	Prof. Shanmukaswamy C V
		Contact No:	9448175489
		Email id:	shanmuka.c.v@gmail.com
10	Project Co-Guide(If any)	Name:	
		Contact No:	
		Email id:	
11	Project Committee coordinator (Identified by the college) :	Name:	Dr.Suhas G K
		Contact No:	7411177789
		Email id:	Suhask300@gmail.com


 PRINCIPAL
 SIET, TUMAKURU.

12

Name of project group Members

1. Group leader and Member

Name: ENCHARA M

USN No. : ISV18CS014

Contact No: 9164433645

Email id: ranjithamahesh719@gmail.com



2. Member

Name: BASAVARAJA

USN No. : ISV18CS005

Contact No: 7899656824

Email id: kitturbasavaraja@gmail.com



3. Member

Name: PRAJWAL C

USN No. : ISV18CS032

Contact No: 9663927163

Email id: prajugowda144@gmail.com



4. Member

Name: SUSHMA H S

USN No. : ISV18CS042

Contact No: 8431927286

Email id: Sushmahs2001@gmail.com



PRINCIPAL
SIET., TUMAKURU

13	Scope / Objectives of the project:	<ul style="list-style-type: none"> • Improve customer experience. • Improve accuracy. • Cost saving. • It Reduces the man power.
14	Methodology of work: (Including diagram, flow chart and design calculations)	<ul style="list-style-type: none"> • Pre-processing Stage • Processing Stage • Post Processing Stage
15	Expected Outcome of the project:	<ul style="list-style-type: none"> • OCR is a software that can extract fields or data from invoices. • OCR software can be used to convert a physical paper document, or an image into an accessible electronic version with text.
16	Application of the project :	<ul style="list-style-type: none"> • Extracting data from business documents, for example, bank checks, invoice, bank statement and receipts • Recognizing number plate recognition in traffic cameras & CCTVs • Extracting data from passports at airports • Extracting data from business cards

Nandini Srinivasan

PRINCIPAL
SIET, TUMAKURU.

17	Budget details with Materials required:	Scanner:Rs.5000/- Reports:Rs.2000/- Total :Rs.7000/-
18	Date of commencement of the Project :	October 2021
19	Probable date of completion of the project :	June 2022
20	Duration of project work :	9 month
21	Pert chart for completion of the project in said duration as per	

Planned activities:

Sl.No	Activities Planned	1 Month/ Week	2 Month/ Week	3 Month/ Week	4 Month/ Week	5 Month/ Week	6 Month/ Week
01	Literature review	30Days 15-10-2021 To 15-11-2021					
02	Planning/ Designing		15 Days 01-02-2022 To 28-09-2022				
03	Assembly/ Fabrication work			10 Days 17-03-2022 TO 31-03-2022			
04	Final Testing				10 Days 04-04-2022 To 28-04-2022		
05	Result & Calculation/ Conclusion					10 Days 02-05-2022 To 17-05-22	
06	Preparation of Report & Submission						10Days 06-06-22 To 20-06-22

PRINCIPAL
SIET, TUMAKURU

DECLARATION BY THE STUDENTS

We, the project group members hereby declare that the details enclosed in the project proposal are true and correct to the best of our knowledge. We undertake to inform VTU, of any changes there in the project title, students name will be intimated immediately. In case, any of the above information is found to be false or untrue or misleading, we are aware that we may be held liable for it.

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We also hereby, enclose the endorsement form to VTU, Belagavi.

SL.No	Name of the Student	Signature with date
01	ENCHARA M	<i>Enchara M</i>
02	BASAVARAJA	<i>Basavaraj</i>
03	PRAJWAL C	<i>Prajwal C</i>
04	SUSHMA H S	<i>Sushma</i>

Principal
PRINCIPAL
SIET, TUMAKURU.

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Sira Road, Tumkur - 572 106, Karnataka, India.

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

Email: info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org

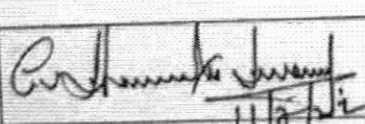
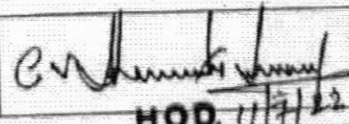
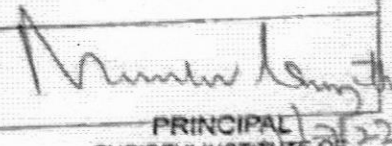
Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belgaum

**ENDORSEMENT**

This is to certify that

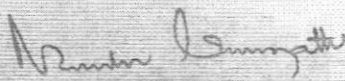
- 1] Enchara M [USN:1SV18CS014]
- 2] Basavaraja [USN:1SV18CS005]
- 3] Prajwal C [USN:1SV18CS032]
- 4] Sushma H S [USN:1SV18CS042]

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Signature of Project Guide with date	Signature of HOD with Seal and date	Signature of the Principal with Seal and date
 11/7/22	 HOD, 11/7/22	 PRINCIPAL, 11/7/22

COMPUTER SCIENCE & ENGG.,
SIET, TUMAKURU-06.

SHRIDEVI INSTITUTE OF
ENGINEERING & TECHNOLOGY
TUMKUR - 572106.


PRINCIPAL
SIET, TUMAKURU.





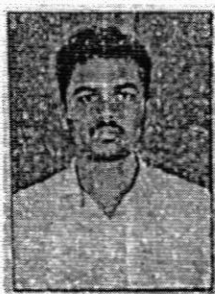
Visvesvaraya Technological University
"Jnana Sangama"
Belagavi – 590 018
Karnataka, India
Tele: 0831 – 2498225, 2405454

VTU Sponsored Student Project Proposal

01	Academic Year:	2021 – 2022	
02	Semester :	8 th Semester	
03	Name of the College:	Shridevi Institute of Engineering and Technology, Tumkur.	
04	Branch:	MECHANICAL ENGINEERING	
05	Project Title:	Design and Fabrication of Button Operated Gear Shifting System for Two-wheelers	
06	Project Discipline:	Interdisciplinary	
07	Principal	Name:	Dr Narendra Viswanath
		Contact No:	9686114899
		Email id:	principal@shrideviengineering.org
08	HOD	Name:	Mr B H Vasudevamurthy
		Contact No:	9611859047
		Email id:	bhvmurthy@gmail.com
09	Project Guide	Name:	Mr B H Vasudevamurthy
		Contact No:	9611859047
		Email id:	bhvmurthy@gmail.com
10	Project Co-Guide (If any)	Name:	Xxxxx
		Contact No:	Xxxxx
		Email id:	Xxxxx
11	Project Committee Coordinator (Identified by the College):	Name:	Dr G K Suhas
		Contact No:	7411177789
		Email id:	suhask300@gmail.com

Narendra Viswanath

PRINCIPAL
SIET, TUMAKURU.

Names of Project Group Members		
1. Group Leader and Member		
Name: Meghana G		
USN: ISV19ME401		
Contact No: 9538854088		
Email id: meghanagbdvt@gmail.com		
2. Member		
Name: Mohamed Roshan D		
USN: ISV18ME005		
Contact No: 8296463235		
Email id: mohamedroshan2000ro@gmail.com		
3. Member		
Name: Sharath C		
USN: ISV19ME404		
Contact No: 9902498117		
Email id: sharathappu79@gmail.com		
13	Scope / Objectives of the Project:	<ul style="list-style-type: none"> • To replace gear shifting system from leg / hand operated one by button operated system for two-wheelers. • To ease the risky operation of gear shifting for physically challenged persons • To ease the operation in heavy traffic roads and hill stations where the gears have to be shifted very often.
14	Methodology of work: (Including diagram, flow chart and design calculations)	Button operated electromagnetic gear shifting system when a gear shifting-up of an automatic transmission is to be effected, the load applied by the load device is increased, or the load is connected to an output rotation shaft of engine via a selectively-connecting device, thereby reducing the rotational speed of the output rotation shaft of the engine to a required level.

PRINCIPAL
SIET, TUMAKURU.

15	Expected Outcome of the Project:	The trial for preparing prototype was successful hence it can be implemented for two-wheelers					
16	Application of the project:	* It is useful for two-wheelers * It is most useful for vehicles used by physically challenged persons					
17	Budget details with Materials required:	Rs 20,500/-					
18	Date of commencement of the Project:	22/12/2021					
19	Probable date of completion of the project:	22/06/2022					
20	Duration of project work :	06 Months					
21	Pert chart for completion of the project in said duration as per						

Planned Activities:

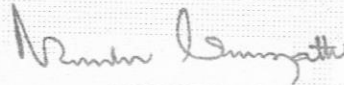
Sl No	Activities Planned	1 Month / Week	2 Month / Week	3 Month / Week	4 Month / Week	5 Month / Week	6 Month / Week
01	Literature Review	08 Days 22-12-2021 To 30-12-2021					
02	Planning/ Designing		15 Days 03-01-2022 To 18-01-2022				
03	Procurement of Raw Materials & Fabrication work			10 Days 19-01-2022 To 29-01-2022			
04	Experimentation & Findings				17-02-2022		
05	Calculation / Validation of Results & Conclusion						
06	Preparation of Report & Submission						20 Days 01-06-2022 To 22-06-2022

Principal

PRINCIPAL
SIET., TUMAKURU.

COST ESTIMATION

Sl No	Particulars	Quantity	Amount
01	Metal rods	23 kg	1500
02	Solenoid	2	1500
03	Relays	2	300
04	Push switches	2	250
05	Battery -12 volts	1	3500
06	Fabrication	-	4000
07	Design and Circuit	-	8000
08	Transportation and Others	-	1000
Total:			20,050



PRINCIPAL
SIET., TUMAKURU.

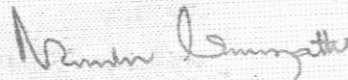
DECLARATION BY THE STUDENTS

We, the project group members hereby declare that the details enclosed in the project proposal are true and correct to the best of our knowledge. We undertake to inform VTU, of any changes therein the project title, students name will be intimated immediately. In case, any of the above information is found to be false or untrue or misleading, we are aware that we may be held liable for it.

We are aware that the project group has to exhibit / demonstrate the project for evaluation in the VTU Regional centre and for exhibition at VTU, Belagavi. If the project group fails to attend the evaluation in Regional centre and for exhibition in VTU Belagavi, the sponsored project amount will be returned back to VTU immediately.

We also hereby, enclose the endorsement form to VTU, Belagavi.

SI No	Name of the Student	Signature with date
01	Meghana G	Meghana G 7/07/22
02	Mohammed Roshan D	Mohammed Roshan D 7/07/22
03	Sharath C	Sharath C 7/7/22



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SRI SHRIDEVI CHARITABLE TRUST (R.)

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

(An ISO 9001 : 2008 Certified Institution)

Sira Road, Tumkur - 572 106, Karnataka, India.

(Affiliated to Visvesvaraya Technological University & Approved by AICTE, New Delhi Vide 06/06/KTK/ENGG/02/017 Dt. 27-05-2002)

Phone : 0816 - 2212627, 2212628, 2212629 Tele Fax : 0816-2212629



e-mail : shridevi_let@indiatimes.com

/info@shrideviengineering.org



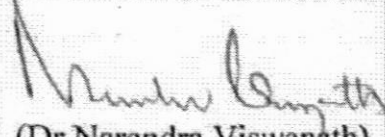
Web. www.shridevieducation.org

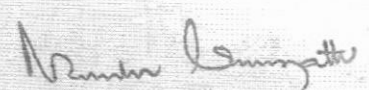
ENDORSEMENT

This is to certify that

- 1] Meghana G (1SV19ME401)
- 2] Mohamed Roshan D (1SV18ME005)
- 3] Sharath C (1SV19ME404)

are bonafide students of Department of Mechanical Engineering, of our institution. If the project proposal submitted by these students under VTU Sponsored Student Project Proposal is selected by VTU, we will provide the required laboratory / Computer / infrastructure support in our college / Institution. Further we also take necessary steps that the project group will exhibit / demonstrate their project in the Regional centre and for exhibition at VTU, Belagavi. If the student group fails to attend the evaluation in Regional centre and exhibition at VTU Belagavi, the supported project amount will be returned back to VTU immediately.





Signature of Project Guide with date	Signature of HOD with Seal and date	Signature of the Principal with Seal and date
 7/7/2022 (Mr B H Vasudevamurthy)	 7/7/2022 (Mr B H Vasudevamurthy) H.O.D Dept. of Mechanical S.I.E.T., TUMKUR -6	 (Dr Narendra Viswanath) PRINCIPAL SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY TUMKUR - 572106.


 PRINCIPAL
 S.I.E.T., TUMKUR.

	Visvesvaraya Technological University “JnanaSangama” Belagavi: 590018 Karnataka, India. Tele: 0831-2498225 ,2405454
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VTU Sponsored Student Project Proposal Format

01	Academic Year :	2020-21	
02	Semester :	VIII	
03	Name of the College :	SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY-TUMAKURU	
04	Branch:	Electrical & Electronics Engineering	
05	Project Title:	Elevator For Blind People Using Voice Recognition System	
06	Project Discipline:	Voice Recognition	
07	Principal	Name:	Dr. Narendra Viswanath
		Contact No:	9686114899
		Email id:	principal@shrideviengineering.org
08	HOD	Name:	G. H. Ravikumar
		Contact No:	9448945314
		Email id:	ravikumargh17@gmail.com
09	Project Guide	Name:	G. H. Ravikumar
		Contact No:	9448945314
		Email id:	ravikumargh17@gmail.com
10	Project Co-Guide(If any)	Name:	
		Contact No:	
		Email id:	
11	Project Committee coordinator (Identified by the college) :	Name:	Dr. Charan.K. V
		Contact No:	8147420383
		Email id:	charanssit@gmail.com

12	Name of project group Members	
	1.Group Leader and Member	
	Name: Ramya S	
	USN No. :1SV17EE009	
	Contact No: 9538989653	
	Email id: ramyageetha953@gmail.com	
	2.Member	
	Name:Megha N	
	USN No. :1SV17EE005	
	Contact No: 7676163205	
	Email id: meghahonnungar@gmail.com	
	3.Member	
	Name: Chandrika S	
	USN No. :1SV18EE400	
	Contact No: 9008489436	
	Email id: chethanachandrika@gmail.com	
	4.Member	
	Name: Pooja B N	
	USN No. :1SV18EE403	
	Contact No: 8861282772	
Email id: poojabn54@gmail.com		
5.Member(If any)		
Name:	Passport size photo	
USN No. :		
Contact No:		
Email id:		

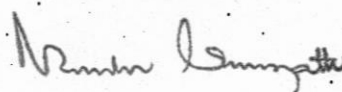
Methodology:

- The proposed system block diagram, as shown in figure is divided into two main block diagrams: a remote unit block diagram and an elevator unit block diagram.
- It includes a microcontroller to control and execute the voice orders of the speech recognition module and send it to the transceiver and the text to speech module to make voice confirmations.
- The second part is the elevator unit in which includes a transceiver to receive the orders and deliver it to the second microcontroller to control the elevator movement. The three ultrasonic sensors (HC-SR04) are used in each floor to guide the blind to be in front of the elevator's door.

SYNOPSIS

Elevator is the main part in day-to-day life. It has become transport devices that we are using every day. Blind people have many challenges. One of these challenges is the use of elevators in multi-floor buildings. Blind people deserve a more satisfying way to facilitate the use of elevator. To overcome this challenge for blind people we must be interest in the following issues: Ensure that the blind in front of the elevator's door - confirm recording the required floor for the blind - Inform the blind about the arriving of the elevator to his standing/required floor - ensure closing the elevator's door after making sure the blind enters or exits the elevator - Inform the blind, the number floors passed. Most of the current elevators targeted the physically handicapped and visually impaired people. The elevators targeted the blind people didn't have voice conformation to inform the blind the elevator status. Our proposed system satisfied all the issues stated above. The proposed system consists of two main parts: The first one is a remote unit with the blind and the second one is an elevator unit. The two units have wireless communication between each other through a transceiver module in each unit. The remote unite is responsible for handling the voice orders, voice confirmations and sending them through the transceiver to the elevator unit to control the elevator.

Results and Conclusion: Blind people encounter serious problems in leading an independent life due to their reduced perception of the environment. One of these problems is the use of elevators in multi floor buildings. Blind people couldn't see and read the elevator keypad or know which floor they are on. Braille markings have helped blind people to use elevators, but not everyone with vision loss knows how to read Braille. A few adjustments can make elevators easier for blind people. So the current elevators targeted the handicapped and visually impaired people.



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“ELEVATOR FOR BLIND PEOPLE USING VOICE RECOGNITION SYSTEM”

PROJECT REFERENCE NO: 44S_BE_2249

COLLEGE : SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY

BRANCH : ELECTRICAL & ELECTRONICS ENGINEERING

GUIDE: Mr. G. H. RAVIKUMAR ravikumargh17@gmail.com, 9448945314

STUDENTS:

MEGHA. N, meghahonnungar@gmail.com, 7353172373

RAMYA. S, ramyageetha953@gmail.com, 9538989653

CHANDRIKA. S, chethanachandrika@gmail.com, 9008489436

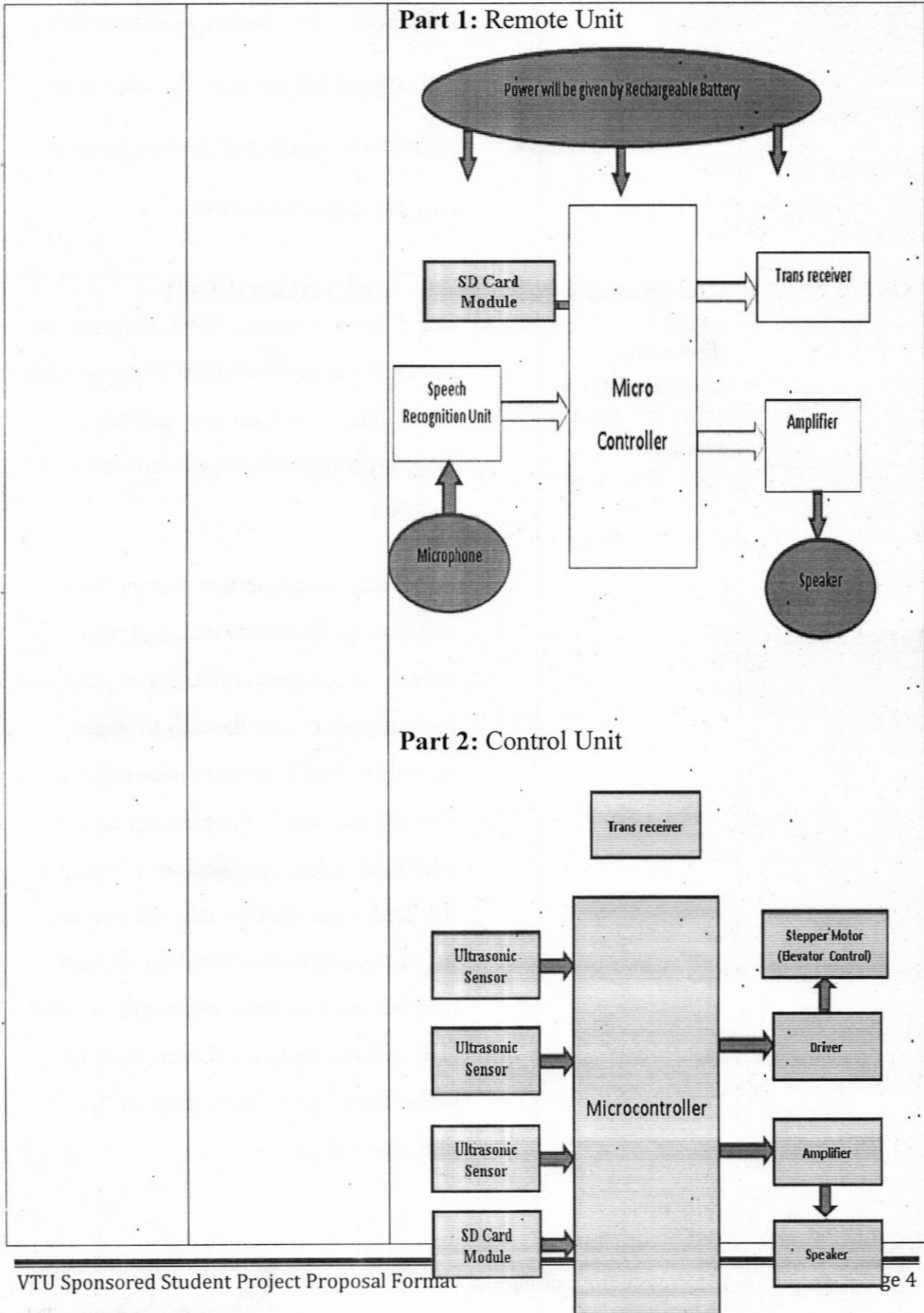
POOJA. B.N, poojabn54@gmail.com, 8861282772

Keywords: Microcontroller, Voice recognition, Communication module, Ultrasonic sensor

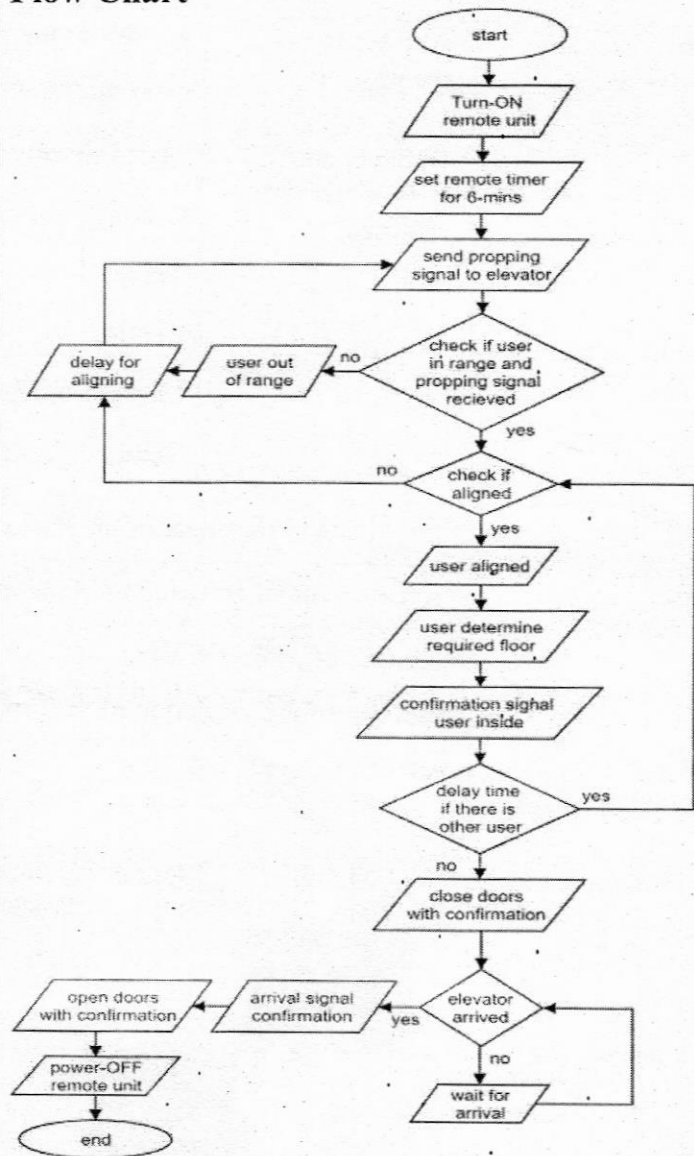
Introduction: Today, elevator is the main part in day-to-day life whether we are going to the gym or to work or going to home – it is likely that we will use lift. Providing a seamless transition from one floor to another, lifts have revolutionized not only the way we live our lives but also the way that buildings are constructed. For example, if you live on the top floor of an apartment complex, you no longer need to worry about trudging up flight after flight of stairs, with a lift; you can easily fly to the top of the building within a matter of seconds. With the introduction of lifts, buildings were able to be built higher and higher – creating stunning skyscrapers. But blind people face many day to day challenges; blind people deserve a more satisfying way to facilitate the use of elevator. To overcome this challenge for blind people we must show interest on the following issues: Ensure that the blind is in front of the elevator's door, confirm the required floor for the blind person and inform about arriving of the elevator to his required floor. In this project we are going to give speech recognition technology for blind people to understand & use of elevator by his speech. The system will understand the words by the speech of blind person to control the elevator.

Objective: This project is to design system which will control the elevator by voice recognition and different system has been introduced to overcome the challenges for visually impaired people.

13	Scope / Objectives of the project:	<ul style="list-style-type: none"> This project is to design system which will control the elevator by voice based commands, which will be beneficial to visually impaired people.
14	Methodology of work: (Including diagram, flow chart and design calculations)	<p style="text-align: center;">METHODOLOGY</p> <ul style="list-style-type: none"> The proposed system block diagram, as shown in figure is divided into two main block diagrams: a remote unit block diagram and an elevator unit block diagram. It includes a microcontroller to control and execute the voice orders of the speech recognition module and send it to the transceiver and the text to speech module to make voice confirmations. The second part is the elevator unit in which includes a transceiver to receive the orders and deliver it to the second microcontroller to control the elevator movement. The three ultrasonic sensors (HC-SR04) are used in each floor to guide the blind to be in front of the elevator's door.



Flow Chart

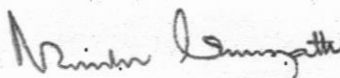


Principals Signature
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 SIET., TUMAKURU

15	Expected Outcome of the project:	This project is to design system which will control the elevator by voice recognition and different system has been introduced to overcome the challenge for blind and visually impaired people
16	Application of the project:	Useful for the physically challenged blind people and even for the senior citizens
17	Budget details with Materials required:	Materials/consumables:7000 Labour : 3000 Travel : 500 Report: 1000 Miscellaneous :500 Total: 12000
18	Date of commencement of the Project:	01/03/2021
19	Probable date of completion of the project:	May 2021
20	Duration of project work:	2 months
21	Pert chart for completion of the project in said duration as per planned activities: 3	

Sl.No	Activities Planned	1 Month/ Week	2 Month/ Week	3 Month/ Week	4 Month/ Week	5 Month/ Week	6 Month/ Week
01	Literature review	08 DAYS 01-03-2021- To 08-032021					
02	Planning/ Designing		08 DAYS 9-03-2021 To 16-03-2021				
03	Assembly/ Fabrication work			15 DAYS 17-3-2021- 31-03-2021			
04	Final Testing				08 DAYS 1-04-2021- To 8-042021		

05	Result & Calculation/ Conclusion					15 DAYS 9-04-2021 to 23-04-2021	
06	Preparation of Report & Submission						20 DAYS 24-04-2021 To 13-05-2021

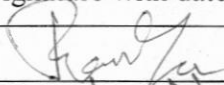


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DECLARATION BY THE STUDENTS

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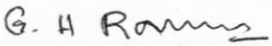

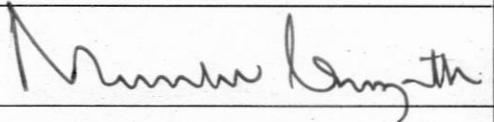
Sl. No	Name of the Student	Signature with date
1	Ramya S	
2	Megha N	
3	Chandrika S	Chandrika S
4	Pooja B N	Pooja B.N

ENDORSEMENT

This is to certify that

- 1) Ramya S
- 2) Megha N
- 3) Chandrika S
- 4) Pooja B N

Are Bonafide students of Department in Electrical and Electronics Engineering of our Institution. If the project proposal submitted by these students under VTU Sponsored Student Project Proposal is selected by VTU, we will provide the required laboratory / Computer / infrastructure support in our college / Institution. Further we also take necessary steps that the project group will exhibit / demonstrate their project in the Regional centre and for exhibition at VTU, Belagavi. If the student group fails to attend the evaluation in regional centre and exhibition at VTU Belagavi, the supported project amount will be returned back to VTU immediately.

Signature of Project Guide with date	Signature of HOD with Seal and date	Signature of the Principal with Seal and date
		
Name: Mr. G. H. Ravikumar	Name: Mr. G. H. Ravikumar	Name: Dr. Narendra Viswanath

Head of the Department
Electrical & Electronics Engineering
Shridevi Institute of Engineering & Technology
TUMKUR-572106.

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TUMKUR - 572106.