



Dr. T. THIMMAIAH INSTITUTE OF TECHNOLOGY

(Estd. 1986) Oorgaum, Kolar Gold Fields, Karnataka – 563120

(Affiliated to VTU, Belgaum, Approved by AICTE - New Delhi)

3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years (5)

Index

Si. No.	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Name of the Funding Agency	Type (Government/non-Government)	Page No.
1	An Efficient IOT based Covid-19 Monitoring System using CNN Classifier	Prof. Kanimozhi S Students- Priyanka D Priyanka S Chadrakala V Vinutha S	Electronics & Communication Engineering	14.07.2021	Karnataka State Council for Science and Technology	Government	3-6
2	Leak Detection in Pipe Networks using Optimization Techniques	Prof. Balasubramaniam S Students- Pradeep Swetha P Shyamili P M Sandhya R	Mechanical Engineering	30.08.2020	Karnataka State Council for Science and Technology	Government	7-9
3	IOT Based Automatic Control of Sun Tracking Solar Panel for High Power Generation	Prof. Rukmini Divakaran Students- Priya D Pavithra N Ramya B Y Ms. Dharshini R	Electronics & Communication Engineering	30.08.2020	Karnataka State Council for Science and Technology	Government	10-13
4	Biofuel	Dr. Syed Arrif Dr. H G Shenoy	Dr. T Thimmaiah Institute of Technology	20.03.2020	Karnataka State Bioenergy Development Board	Government	14-17
5	Biofuel	Dr. Syed Arrif Dr. H G Shenoy	Dr. T Thimmaiah Institute of Technology	25.09.2018	Karnataka State Bioenergy Development Board	Government	18-20
6	IOT Based LPG GAS Detection and Emergency Response System using AVR Microcontroller and GSM Module	Prof. Prasanna Balasubramanyam S Students- Aishwarya R Maria Swetha J Vinodh Prabhakaran V	Electronics & Communication Engineering	24.07.2018	Karnataka State Bioenergy Development Board	Government	21-24
7	Biofuel	Dr. Syed Arrif Dr. H G Shenoy	Dr. T Thimmaiah Institute of Technology	07.07.2017	Karnataka State Bioenergy Development Board	Government	25-28



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8	Biofuel	Dr. Syed Arrif Dr. H G Shenoy	Dr. T Thimmaiah Institute of Technology	28.3.2017	Karanataka State Bioenergy Deveopment Board	Government	29-30
9	Biofuel	Dr. Syed Arrif Dr. H G Shenoy	Dr. T Thimmaiah Institute of Technology	09.08.2016	Karanataka State Bioenergy Deveopment Board	Government	31


15/12/21
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Oorgaum, K.G.F. - 563 120.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590018

2020-2021



A Project Report
On

**“An Efficient IoT Based Covid-19 Monitoring
System Using CNN Classifier”**

Submitted in the partial fulfilment of the requirement
for the VIII Semester Project Phase 17ECP85 for the award of degree of

Bachelor of Engineering

In

Electronics and Communication Engineering

By

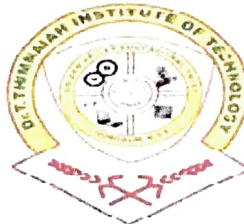
Priyanka D	1GV17EC027
Priyanka S	1GV17EC029
Vinutha S	1GV17EC053
Chandrakala V	1GV17EC057

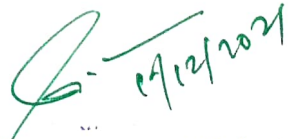
Carried at

Dr.T.THIMMAIAH INSTITUTE OF TECHNOLOGY
Oorgaum, K.G.F-563120

Under the Guidance of

Mr. Jesudas J, Assistant Professor,
Department of ECE, Dr.T.T.I.T, K.G.F.




Dr. T. THIMMAIAH, Institute of Technology
Oorgaum, K. G. F- 563120

Dr.T.THIMMAIAH INSTITUTE OF TECHNOLOGY
(Formerly Golden Valley Institute of Technology)
Department of Electronics and Communication Engineering
Kolar Gold Fields – 563120.

Dr. T. THINMAIAH INSTITUTE OF TECHNOLOGY



(Formerly Golden Valley Institute of Technology)

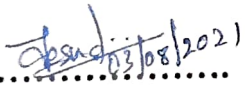
Oorgaum Kolar Gold Fields -563120

DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING.

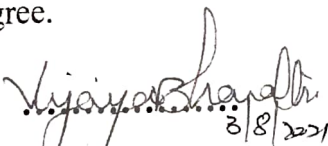


CERTIFICATE

Certified that the Project Phase Work entitled *"An Efficient IoT Based COVID-19 Monitoring System Using CNN Classifier"* is a bonafied work partially carried out by **Priyanka D. -1GV17EC027, Priyanka S. - 1GV17EC029, Vinutha S - 1GV17EC053 and Chandrakala V. - 1GV15EC057** in the partial fulfillment for the award of degree of Bachelor of Engineering in **Electronics and Communication Engineering** of the **Visvesvaraya Technological University, Belagavi** during the year 2020- 2021. It is certified that all corrections/suggestions indicated for the assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirement in respect of **Project Work- 17ECP85** prescribed for the Bachelor of Engineering Degree.


.....
03/08/2021

Signature of guide
Mr. Jesudas J


.....
3/8/2021

Signature of HOD
Prof. Vijaya Bharathi M


.....
3/8/2021

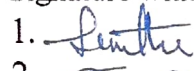

Signature of Principal
Dr. Syed Ariff

PRINCIPAL
Dr. T. Thinnmaiah Institute of Technology
Oorgaum, K.G.F. - 563 120.

Name of Examiners

1. Dr. JENITHA A
2. Dr. Bhuvanendhiran . T

Signature with Date

1.  3/8/21
2.  3/8/21

3/8/2021

ACKNOWLEDGEMENT

It is with the profound feeling of gratitude we would like to express our sincere thanks to our institution **DR. T. THIMMAIAH INSTITUTE OF TECHNOLOGY, K.G.F** for providing excellent infrastructure for the successful completion of project work.

We wish to express a wholehearted thanks to our principal **Dr. Syed Ariff** for his kind support in carrying out this project work.

We would like to extend hearty thanks to our **HOD, Prof. Vijaya Bharathi M** for being a constant support of encouragement to carry out the project work successfully.

We would like to extend hearty thanks to our guide **Mrs. Jesudas J Asst.Prof,** for his valuable suggestions, guidance and support in the completion of this project work.

We would also like to thank project Co-Ordinator **Mrs. Jenitha.A Associate Prof,** for her timely support in the completion of this project work.

We would like to thank all teaching and non-teaching staff who were directly and indirectly supported for carrying out this project work successfully.

We extend our hearty thanks to our parents, friends for all the moral support provided during the preparation for the project work.

1GV17EC027

PRIYANKA.D

1GV17EC029

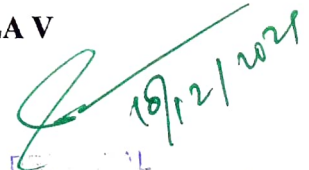
PRIYANKA.S

1GV17EC053

VINUTHA.S

1GV17EC057

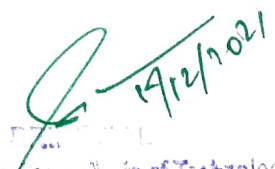
CHANDRAKALA V


19/12/2021
Dr. T. Thimmaiah
Institute of Technology
Gorganum, K. G. F- 563144

SYNOPSIS

As we are aware of the current pandemic situation that is Covid-19 which is spreading all over the world. Covid-19 spreads mainly by droplets produced as a result of coughing or sneezing of Covid-19 infected person, it can also spread from contact with infected surfaces or objects. Any person who comes into close contact with someone who has Covid-19 is at increased risk of becoming infected themselves.

As it is spreading widely it is difficult to get the report on required time, hence to detect Covid-19 “Positive or Negative” within 30minutes of time we are using an efficient IoT based Covid-19 Monitoring System Using CNN Classifier. In this process we are using sensors such as heart rate sensor, temperature sensor, and respiratory sensor to collect data from a person and it is transmitted wirelessly with the help of ESP8266 module and the data is received by using Arduino. These data are being processed using MATLAB and CNN Classifier is used to predict the result whether it is “Positive or Negative” based on this result, best accuracy and efficiency is achieved.


Dr. T. Thimmappa, Dept. of Technology
Oorgaum, K. G. F- 563120

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI - 590018

2019 –2020



A

Project Work

on

“IoT Based Automatic Control of Sun Tracking Solar Panel for High Power Generation”

Submitted in the partial fulfillment of the requirement for the VIII Semester Project - 15ECP85 for the award of degree of

Bachelor of Engineering

in

Electronics and Communication Engineering

by

PAVITHRA N	1GV16EC033
PRIYA D	1GV16EC037
RAMYA B Y	1GV16EC040
DHARSHINI R	1GV17EC401

Carried out at

Dr. T. THIMMAIAH INSTITUTE OF TECHNOLOGY

Sponsored by KSCST

Under the Guidance of

Prof. Ruckmani Divakaran,
HOD and Dean (Administration)
Dept. of ECE, Dr.TTIT, K.G.F.

Nandini G N(Co-Guide)
Assistant Professor
Dept.of ECE,Dr.TTIT,K.G.F.



PRINCIPAL

Dr. T. Thimmaiah Institute of Technology
Kolar Gold Fields - 563120

Dr.T.THIMMAIAH INSTITUTE OF TECHNOLOGY

(Formerly Golden Valley Institute of Technology)

**Department of Electronics and Communication Engineering
Kolar Gold Fields – 563120.**

Dr.T.THIMMAIAH INSTITUTE OF TECHNOLOGY



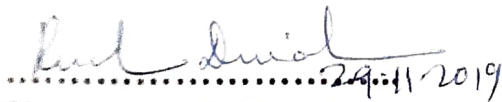
(Formerly Golden Valley Institute of Technology)

Oorgaum Kolar Gold Fields – 563120

DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING.

CERTIFICATE

Certified that the **Project Work** entitled “*IoT Based Automatic Control Of Sun Tracking Solar Tracking Solar Panel For High Power Generation*” is a bonafied work carried out by **Pavithra N. - 1GV16EC033, Priya D. - 1GV16EC037, Ramya B Y. -1GV16EC040 and Dharshini R. - 1GV17EC401** in the partial fulfillment for the award of degree of Bachelor of Engineering in **Electronics and Communication Engineering** of the **Visvesvaraya Technological University, Belagavi** during the year **2019- 2020**. It is certified that all corrections/suggestions indicated for the assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirement in respect of **Project Work Phase I- 15ECP78** prescribed for the Bachelor of Engineering Degree.


.....29/11/2019

Signature of HOD and guide

Prof. Ruckmani Divakaran

Head of the Department

Dept. of Electronics and Communication Engg.

Dr. T.Thimmaiah Institute of Technology

Oorgaum, K.G.F.- 563 120.


.....29/11/19

Signature of Principal

Dr. Syed Ariff

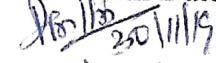

Dr. T. Thimmaiah Institute of Technology

Oorgaum, K.G.F. - 563 120.

Name of Examiners

1. VIJAYA GEETHA R
2. Tamilvanj. R.

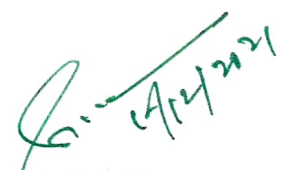
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1.  29/11/19
2.  30/11/19.

ABSTRACT

The conversion of sun light into electric energy through solar panels is significant compared to other renewable sources. The energy extracted from the solar panel depends on solar light incident on the solar panel, but the constant variation in the sun's position decreases the power generation efficiency. In order to extract maximal energy, the solar panel should face the sunlight at normal angle throughout the day. Solar tracker tilts the panel towards the sun light direction.

The automatic sun tracking solar panel will harness a significant amount of energy from available sun light. Single axis type of solar tracker is used which has one degree of freedom of rotation. Closed loop tracking approach is used with LDR's, an ATmega2560 microcontroller and a DC motor forming the principal components of the circuit model. Based on the signals generated from LDR's, microcontroller provides signals to the motor for tilting the solar panel towards the direction of maximum incident sun rays, which will increase the power generation efficiency. The efficiency of the proposed system is 71%. The information regarding status of solar tracking system is shared through IoT.


19/12/2021
Dr. T. Thimmaiah Institute of Technology
Oorgaum, K. G. F- 563120

VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANASANGAMA, BELGAVI – 590018
2019-2020



“A PROJECT PHASE I REPORT”
(15MEP78)
On

“LEAK DETECTION IN PIPE NETWORK USING
OPTIMIZATION TECHNIQUES”

In partial fulfilment for the award of the degree of

BACHELOR OF ENGINEERING
In
MECHANICAL ENGINEERING

Submitted By:

SANDHYA R (1GV15ME045)
S PRADEEP (1GV16ME024)
SHYAMILI PM (1GV16ME039)
SWETHA P (1GV16ME043)

Under the Guidance of

Mr. BALASUBRAMANIAM N S
ASSISTANT PROFESSOR



15/12/21
PRINCIPAL

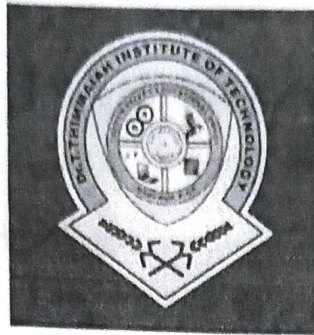
Dr. T. Thimmaiah Institute of Technology
Oorgaum, K. G. F- 563120

DEPARTMENT OF MECHANICAL ENGINEERING
Dr. T. THIMMAIAH INSTITUTE OF TECHNOLOGY
OORGAUM, KOLAR GOLD FIELDS, KARNATAKA – 563120

Dr T THIMMAIAH INSTITUTE OF TECHNOLOGY

OORGAUM, KOLAR GOLD FIELDS – 563120

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

This is to certify that the Project Entitled “LEAK DETECTION IN PIPE NETWORK USING OPTIMIZATION TECHINIQUE” has carried out by

SANDHYA R

(1GV15ME045)

S PRADEEP

(1GV16ME024)

SHYAMILI PM

(1GV16ME039)

SWETHA P

(1GV16ME043)

The students of **Dr. T THIMMAIAH INSTITUTE OF TECHNOLOGY** in partial fulfillment for the award of **BACHELORE OF ENGINEERING in MECHANICAL ENGINEERING** of the **VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM** during the year 2019-2020. It is certified that all correction/suggestion indicated for internal assessment have been incorporated in the report deposited in the department library.

M.S. Babu
26/11/2019
Guide

[Signature]
26/11/2019
HOD

Head of the Department
Dept. of Mechanical Engineering
Dr. T. Thimmaiah Institute of Technology,
Oorgaum, K.G.F. - 563 120.

[Signature]
26/11/19
Principal
Dr. T. Thimmaiah Institute of Technology
Oorgaum, K.G.F. - 563 120.

ACKNOWLEDGEMENT

We express our sincere gratitude to the following people and acknowledge them for having us in completing the project successfully.

We would like to express our deep gratitude to **Dr. T. Thimmaiah Institute of Technology** for the support in successful completion of this project.

We are very much thankful to **Dr. Syed Ariff, Principal, Dr. TTIT** and **Dr. P D Sudersanan, Head of the Department, Department of Mechanical Engineering, Dr. TTIT** for providing support for all project related activities.

We sincerely thank by heart and soul to our project guide **Mr. Balasubramaniam N S, Assistant Professor, Department of Mechanical Engineering, Dr. TTIT** whose timely support and suggestions went a long way in the completion of project.

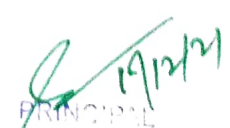
Finally, we thank all the teaching and non-teaching staffs of Dr. TTIT, and the encouragement in our endeavor and of course, nothing could have come true without the support and cheerful encouragement of our parents and friends

SANDHYA R (1GV15ME045)

S PRADEEP (1GV16ME024)

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PRINCIPAL
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10/12/2021

ABSTRACT

In the proposed work algorithms have been developed to minimize the placement of number of sensors to detect leaks in the looped pipe network using pressure sensitivity analysis. The proposed work starts with assumptions that leakages are constant demand that is assumed at junction and every node has a sensor. The algorithm of sensor placement uses the pressure sensitivity matrix which is the differences between the pressures calculated without leak and with leak values at nodes by EPANET simulation. The simulated pressure variations caused by all potential leaks are stored in the Fault Signature Matrix (FSM), with as many rows as sensors, n_s , and as many columns as potential leaks, n_l . Each value of the FSM matrix is binarized according to a threshold: '1' indicates that the sensor in row i truly detects a leak in column j ('0' indicates no detection). The minimum number of sensor is obtained using binarised matrix in such a way that every leak present in the network should be detected and isolated. The Genetic Algorithm (GA) and Particle Swarm Optimization (PSO) techniques are used to find the minimal sensor placement for identification of leaks in pipe networks, further the comparison between the two techniques has made. The implementation of present algorithms shows the placement of sensors are minimized up to 15-20 % of total number sensor placed at nodes. The problem identifies the best location of minimum number sensors in the pipe network.

Keyword: Pressure sensitivity analysis; Isolability; Detectability; EPANET; Threshold.


12/12/24
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STATEMENT OF ACCOUNT

CANARA BANK
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 MICR : 563015202

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 Customer ID : 70503010
 Customer Name : Messrs BIO FUEL INFORMATION AND DEMONSTRATION CENTRE
 Address : C/O Dr TTIT INSTITUTE OF TECHNOLOG
 OORGAUM POST
 DR TTIT OORGAUM
 KGF
 KARNATAKA
 IN
 563120

Nominee Reference num :
 Nominee Name :
 Account Title : BIO FUEL INFORMATION
 Joint Holder's/Authorised :
 Person's Name :

Period : 01-03-2020 To 08-11-2021
 Name Currency : INDIAN RUPEES

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27-MAR-21	27-MAR-21	671		SMS ALERT CHARGES CA	30.00	0.00	231,733.00

10/11/2021
 PRINCIPAL
 Dr. T. Thimmaiah Institute of Techno
 Oorgaum, K.G.F. - 563 120.

TRANS DATE	VALUE DATE	BRANCH	REF/CHQ.NO	DESCRIPTION	WITHDRAWS	DEPOSIT	BALANCE
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C/o. RBI, 10/3/8
Nrupatunga Road
Bangalore
Bangalore
560001
Tel: 0000 / 0000 Fax:0
E-mail: bobangalore@rbi.org.in

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Oorgaum, K.G.F. - 563 120.

CANARA BANK
ROBERTSONPET KGF
671

Date : 7/22/2020 3:03:
Page No.: 1

IFSC CODE : CNRB0000671
MICR CODE : 563015202

STATEMENT OF ACCOUNT
Account No : 8651201000002
Product Name : CURRENT ACCOUNT- GENERAL

Statement of Account for the Period from 01/08/2019 to 01/07/2020

Customer ID : 70503010
Customer Name : BIO FUEL INFORMATION
Customer Address : C/O Dr TTIT INSTITUTE OF TECHNOLOG OORGAUM POST
DR TTIT OORGAUM KGF
Nominee Reference Num

Nominee Name

Account Title : BIO FUEL INFORMATION
Joint Holder's / Authorised : 1. SYED ARIFF
Person's name : 2. H G SHENOY : 3.

Posting Date	Value Date	BRANCH	DESCRIPTION	REF/CHQ NO.	WITH DRAWALS	DEPOSITS	BALANCE
01/08/2019	01/08/2019	0	B/F ...		0.00	26,577.00	26577.00
07/08/2019	07/08/2019	671	CASA. CHEQUE WITHDRAWAL	000000168339	9,680.00	0.00	16897.00
07/09/2019	07/09/2019	671	CASA. CHEQUE WITHDRAWAL	000000168340	9,680.00	0.00	7217.00
11/10/2019	11/10/2019	671	CASA. CHEQUE WITHDRAWAL	000000168342	6,050.00	0.00	1167.00
31/10/2019	31/10/2019	671	CA MIN BAL SC		142.00	0.00	1025.00
30/11/2019	30/11/2019	671	CA MIN BAL SC		142.00	0.00	883.00
31/12/2019	31/12/2019	671	CA MIN BAL SC		71.00	0.00	812.00
31/01/2020	31/01/2020	671	CA MIN BAL SC		71.00	0.00	741.00
29/02/2020	29/02/2020	671	CA MIN BAL SC		142.00	0.00	599.00
20/03/2020	20/03/2020	671	NEFT-KARNATAKA STATE BIO ENERGY DEVELOPMENT BOARD-IBKL20032039 7814		0.00	300,000.00	300599.00
27/03/2020	27/03/2020	671	SMS ALERT CHARGES NEW		18.00	0.00	300581.00
31/03/2020	31/03/2020	671	FOLIO AMT FIXED FOR CA		118.00	0.00	300463.00

Posting Date	Value Date	BRANCH	DESCRIPTION	REF/CHQ NO.	WITH DRAWALS	DEPOSITS	BALANCE
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TOTAL :

OPENING BALANCE :	26,577.00C	Dr. Count :	10	Dr. Amount :	26,114.00
CLOSING BALANCE :	300,463.00	Cr. Count :	2	Cr. Amount :	326,577.00
UNCLEAR BALANCE :					

Sweep in Balance : 0.00

UNLESS THE CONSTITUENT BRINGS TO THE NOTICE OF THE BANK ANY DISCREPANCY /ERRORS /OMMISSION /UNAUTHORISED DEBITS IMMEDIATELY, THE ENTRIES IN SUCH PASS SHEET SHALL BE DEEMED AS CORRECT AND SHALL BIND THE CONSTITUENT FOR ALL PURPOSES AND INTENTS.
BEWARE OF PHISHING ATTACKS THROUGH EMAILS OR FAKE WEBSITES

IMB FACILITY USERS ARE REQUESTED TO NOTE THAT CANARA BANK DOES NOT SEEK ANY INFORMATION THROUGH EMAIL.DO NOT CLICK ON ANY LINK WHICH HAS COME THROUGH EMAIL FROM UNEXPECTED SOURCES.IT MAY CONTAIN MALICIOUS CODE OR COULD BE AN ATTEMPT TO "PHISH".ALWAYS LOGIN THROUGH WWW.CANARABANK.IN.PLEASE BEWARE OF PHISHING

CHANGE IN THE ADDRESS OF ACCOUNT HOLDER/PA HOLDER, IF ANY, MAY PLEASE BE INFORMED TO THE BRANCH ALONG WITH ADDRESS PROOF

Nrupatunga Road
Details of Ombudsman: MessThe Banking Ombudsman
C/o. RBI, 10/3/8
Bangalore-560001 Tel:0000 / 0000 Fax0
E-mail: bobangalore@rbi.org.in

22/7/2020
PRINCIPAL
Dr. T. Thammaiah Institute of Technology
Oorgaum, K.G.F. - 563 120.

ARE YOU A MERCHANT / TRADER / RETAILER / SMALL VENDOR. USE DIGITAL PAYMENT CHANNEL TO RECEIVE PAYMENT FROM YOUR CUSTOMERS. CONTACT BRANCH MANAGER FOR MORE DETAILS. GO CASHLESS / CARDLESS

COMPUTER OUTPUT- DOES NOT REQUIRE SIGNATURE
----- END OF STATEMENT -----

(FY: 2019-20)

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CANARA BANK
ROBERTSONPET KGF
671

Date : 10/11/2019 2:43
Page No. : 1

IFSC CODE : CNRB0000671
MICR CODE : 563015202

STATEMENT OF ACCOUNT
Account No : 8651201000002
Product Name : CURRENT ACCOUNT- GENERAL

Statement of Account for the Period from 01/04/2018 to 11/10/2019

Customer ID : 70503010
Customer Name : BIO FUEL INFORMATION
Customer Address : C/O Dr TTIT INSTITUTE OF TECHNOLOG OORGAUM POST
DR TTIT OORGAUM KGF

Nominee Reference Num

Nominee Name

Account Title : BIO FUEL INFORMATION
Joint Holder's / Authorised Person's name : 1. SYED ARIFF
: 2. H G SHENOY

: 3.

Posting Date	Value Date	BRANCH	DESCRIPTION	REF/CHQ NO.	WITH DRAWALS	DEPOSITS	BALANCE
01/04/2018	01/04/2018	0	B/F ...		0.00	237,927.00	237927.00
10/04/2018	10/04/2018	671	CASA. CHEQUE WITHDRAWAL	000000168316	15,000.00	0.00	222927.00
10/04/2018	10/04/2018	671	CASA. CHEQUE WITHDRAWAL	000000168315	15,730.00	0.00	207197.00
24/05/2018	24/05/2018	671	CASA. CHEQUE WITHDRAWAL	000000168317	15,730.00	0.00	191467.00
14/06/2018	14/06/2018	671	CASA. CHEQUE WITHDRAWAL	000000168318	6,050.00	0.00	185417.00
06/07/2018	06/07/2018	671	CASA. CHEQUE WITHDRAWAL	000000168319	15,730.00	0.00	169687.00
06/08/2018	06/08/2018	671	CASA. CHEQUE WITHDRAWAL	000000168321	10,000.00	0.00	159687.00
06/08/2018	06/08/2018	671	CASA. CHEQUE WITHDRAWAL	000000168320	15,730.00	0.00	143957.00
06/09/2018	06/09/2018	671	CASA. CHEQUE WITHDRAWAL	000000168322	15,730.00	0.00	128227.00
25/09/2018	25/09/2018	671	NEFT-KARNATAKA STATE BIO ENERGY DEVELOPMENT BOARD-IBKL18092509 2380		0.00	100,000.00	228227.00
30/09/2018	30/09/2018	671	SMS ALERT CHARGES NEW		12.00	0.00	228215.00
05/10/2018	05/10/2018	671	CASA. CHEQUE WITHDRAWAL	000000168323	15,730.00	0.00	212485.00
09/11/2018	09/11/2018	671	CASA. CHEQUE WITHDRAWAL	000000168324	15,730.00	0.00	196755.00
06/12/2018	06/12/2018	671	CASA. CHEQUE WITHDRAWAL	000000168325	15,730.00	0.00	181025.00
10/01/2019	10/01/2019	671	CASA. CHEQUE WITHDRAWAL	000000168326	15,730.00	0.00	165295.00
24/01/2019	24/01/2019	469	TO CLG : DR T THIMMAIAH INSTITUTE-IDBI BA	000000168327	24,500.00	0.00	140795.00
06/02/2019	06/02/2019	671	CASA. CHEQUE WITHDRAWAL	000000168328	15,730.00	0.00	125065.00

Posting Date	Value Date	BRANCH	DESCRIPTION	REF/CHQ NO.	WITH DRAWALS	DEPOSITS	BALANCE
07/02/2019	07/02/2019	671	CASA. CHEQUE WITHDRAWAL	000000168329	5,000.00	0.00	120065.00
26/02/2019	26/02/2019	671	CASA. CHEQUE WITHDRAWAL	000000168330	10,000.00	0.00	110065.00
06/03/2019	06/03/2019	671	CASA. CHEQUE WITHDRAWAL	000000168331	15,730.00	0.00	94335.00
27/03/2019	27/03/2019	671	SMS ALERT CHARGES NEW		18.00	0.00	94317.00
29/03/2019	29/03/2019	671	CASA. CHEQUE WITHDRAWAL	000000168332	10,000.00	0.00	84317.00
09/04/2019	09/04/2019	671	CASA. CHEQUE WITHDRAWAL	000000168333	9,280.00	0.00	75037.00
22/04/2019	22/04/2019	671	CASA. CHEQUE WITHDRAWAL	000000168334	10,000.00	0.00	65037.00
23/04/2019	23/04/2019	671	CASA. CHEQUE WITHDRAWAL	000000168335	7,000.00	0.00	58037.00
08/05/2019	08/05/2019	671	CASA. CHEQUE WITHDRAWAL	000000168336	15,730.00	0.00	42307.00
10/06/2019	10/06/2019	671	CASA. CHEQUE WITHDRAWAL	000000168337	6,050.00	0.00	36257.00
10/07/2019	10/07/2019	671	CASA. CHEQUE WITHDRAWAL	000000168338	9,680.00	0.00	26577.00
07/08/2019	07/08/2019	671	CASA. CHEQUE WITHDRAWAL	000000168339	9,680.00	0.00	16897.00
07/09/2019	07/09/2019	671	CASA. CHEQUE WITHDRAWAL	000000168340	9,680.00	0.00	7217.00

TOTAL :

[Handwritten Signature]
11/10/2019
PRINCIPAL
Dr. T. Thimmaiah Institute of Technology
Oorgaam, K.G.F. - 563 120.

OPENING BALANCE : 237,927.000 Dr. Count : 28 Dr. Amount: 330,710.00
 CLOSING BALANCE : 7,217.00 Cr. Count : 2 Cr. Amount: 337,927.00
 UNCLEAR BALANCE :

Sweep in Balance : 0.00

UNLESS THE CONSTITUENT BRINGS TO THE NOTICE OF THE BANK ANY DISCREPANCY /ERRORS /OMISSION /UNAUTHORISED
 DEBITS IMMEDIATELY, THE ENTRIES IN SUCH PASS SHEET SHALL BE DEEMED AS CORRECT AND SHALL BIND THE
 CONSTITUENT FOR ALL PURPOSES AND INTENTS.
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 OR COULD BE AN ATTEMPT TO "PHISH".ALWAYS LOGIN THROUGH WWW.CANARABANK.IN.PLEASE BEWARE OF PHISHING

CHANGE IN THE ADDRESS OF ACCOUNT HOLDER/PA HOLDER, IF ANY, MAY PLEASE BE INFORMED TO THE BRANCH ALONG
 WITH ADDRESS PROOF

Details of Ombudsman: MessThe Banking Ombudsman
 C/o. RBI, 10/3/8
 Bangalore-560001 Tel:0000 / 0000 Fax0
 E-mail: bobangalore@rbi.org.in

ARE YOU A MERCHANT / TRADER / RETAILER / SMALL VENDOR. USE DIGITAL PAYMENT CHANNEL TO RECEIVE PAYMENT FROM
 YOUR CUSTOMERS.CONTACT BRANCH MANAGER FOR MORE DETAILS. GO CASHLESS / CARDLESS

COMPUTER OUTPUT- DOES NOT REQUIRE SIGNATURE

----- END OF STATEMENT -----


 PRINCIPAL
 Dr. T. Thimmaiah Institute of Technology
 Oorgaum, K.G.F. - 563 120.

Posting Date	Value	Branch	Description	Entry No	With Balance	Debit	Balance
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018330			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018331			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018332			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018333			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018334			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018335			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018336			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018337			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018338			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018339			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018340			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018341			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018342			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018343			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018344			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018345			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018346			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018347			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018348			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018349			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018350			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018351			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018352			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018353			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018354			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018355			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018356			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018357			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018358			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018359			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018360			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018361			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018362			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018363			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018364			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018365			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018366			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018367			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018368			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018369			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018370			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018371			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018372			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018373			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018374			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018375			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018376			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018377			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018378			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018379			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018380			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018381			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018382			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018383			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018384			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018385			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018386			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018387			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018388			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018389			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018390			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018391			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018392			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018393			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018394			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018395			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018396			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018397			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018398			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018399			237927.00
01/01/2019	237927.00	WITTHANAI	CASA CREDIT	0000018400			237927.00

IFSC CODE : CNRB0000671
MICR CODE : 563015202

STATEMENT OF ACCOUNT
Account No : 8651201000002
Product Name : CURRENT ACCOUNT- GENERAL

Statement of Account for the Period from 01/03/2018 to 05/10/2018

Customer ID : 70503010
Customer Name : BIO FUEL INFORMATION
Customer Address : C/O Dr TTIT INSTITUTE OF TECHNOLOG OORGAUM POST
DR TTIT OORGAUM KGF

Nominee Reference Num

Nominee Name

Account Title :BIO FUEL INFORMATION
Joint Holder's / Authorised :1. SYED ARIFF
Person's name :2. H G SHENOY :3.

Value Date	Posting Date	BRANCH	DESCRIPTION	REF/CHQ NO.	WITH DRAWALS	DEPOSITS	BALANCE
01/03/2018	01/03/2018	0	B/F ...		0.00	260,157.00	260157.00
09/03/2018	09/03/2018	671	CASA. CHEQUE WITHDRAWAL	000000168314	15,730.00	0.00	244427.00
09/03/2018	09/03/2018	671	CASA. CHEQUE WITHDRAWAL	000000168313	6,500.00	0.00	237927.00
10/04/2018	10/04/2018	671	CASA. CHEQUE WITHDRAWAL	000000168316	15,000.00	0.00	222927.00
10/04/2018	10/04/2018	671	CASA. CHEQUE WITHDRAWAL	000000168315	15,730.00	0.00	207197.00
24/05/2018	24/05/2018	671	CASA. CHEQUE WITHDRAWAL	000000168317	15,730.00	0.00	191467.00
14/06/2018	14/06/2018	671	CASA. CHEQUE WITHDRAWAL	000000168318	6,050.00	0.00	185417.00
06/07/2018	06/07/2018	671	CASA. CHEQUE WITHDRAWAL	000000168319	15,730.00	0.00	169687.00
06/08/2018	06/08/2018	671	CASA. CHEQUE WITHDRAWAL	000000168321	10,000.00	0.00	159687.00
06/08/2018	06/08/2018	671	CASA. CHEQUE WITHDRAWAL	000000168320	15,730.00	0.00	143957.00
06/09/2018	06/09/2018	671	CASA. CHEQUE WITHDRAWAL	000000168322	15,730.00	0.00	128227.00
25/09/2018	25/09/2018	671	NEFT-KARNATAKA STATE BIO ENERGY DEVELOPMENT BOARD-IBKL18092509 2380		0.00	100,000.00	228227.00
30/09/2018	30/09/2018	671	SMS ALERT CHARGES NEW		12.00	0.00	228215.00

Value Date	Posting Date	BRANCH	DESCRIPTION	REF/CHQ NO.	WITH DRAWALS	DEPOSITS	BALANCE
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TOTAL :

OPENING BALANCE :	260,157.00C	Dr. Count :	11	Dr. Amount:	131,942.00
CLOSING BALANCE :	228,215.00	Cr. Count :	2	Cr. Amount:	360,157.00
UNCLEAR BALANCE :					

Sweep in Balance : 0.00

UNLESS THE CONSTITUENT BRINGS TO THE NOTICE OF THE BANK ANY DISCREPANCY /ERRORS /OMMISSION /UNAUTHORISED DEBITS IMMEDIATELY, THE ENTRIES IN SUCH PASS SHEET SHALL BE DEEMED AS CORRECT AND SHALL BIND THE CONSTITUENT FOR ALL PURPOSES AND INTENTS.
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CHANGE IN THE ADDRESS OF ACCOUNT HOLDER/PA HOLDER, IF ANY, MAY PLEASE BE INFORMED TO THE BRANCH ALONG WITH ADDRESS PROOF

Nrupatunga Road
Details of Ombudsman: MessThe Banking Ombudsman
C/o. RBI, 10/3/8
Bangalore-560001 Tel:0000 / 0000 Fax0
E-mail: bobangalore@rbi.org.in

ARE YOU A MERCHANT / TRADER / RETAILER / SMALL VENDOR. USE DIGITAL PAYMENT CHANNEL TO RECEIVE PAYMENT FROM YOUR CUSTOMERS.CONTACT BRANCH MANAGER FOR MORE DETAILS. GO CASHLESS / CARDLESS

COMPUTER OUTPUT- DOES NOT REQUIRE SIGNATURE

----- END OF STATEMENT -----

[Signature]
05/10/2018
PRINCIPAL
Dr. T. Thimmaiah Institute of Technology
Oorgaum, K.G.F. - 563 120.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELAGAVI-590018

2017 -2018



**A
Project Report
on**

**"IoT Based LPG Gas Leakage Detection And Emergency Response
System Using AVR Microcontroller And GSM Module"**

**Submitted in the partial fulfillment of the requirement for the
VIII Semester Project Work-10ECP85 for the award of degree of**

**Bachelor of Engineering
in**

Electronics and Communication Engineering

By

AISHWARYA R

1GV14EC006

MARIA SWETHA J

1GV14EC029

VINODH PRABHAKARAN V

1GV13EC415

Under the guidance of

Mr. Prasanna Balasubramanyam S, M.Tech,

Asst. Prof, Dept of ECE



Dr. T. THIMMAIAH INSTITUTE OF TECHNOLOGY

Department of Electronics and Communication Engineering

Kolar Gold Fields – 563120



KSCST

Sponsored by

Karnataka State Council for Science and Technology

PRINCIPAL

Dr. T. Thimmaiah Institute of Technology

- Oorgaum, K. G. F- 563120



(Formerly Golden Valley Institute of Technology)
Oorgaum Kolar Gold Fields – 563120

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING.**

CERTIFICATE

Certified that the **Project work** entitled **“IoT Based LPG Gas Leakage Detection And Emergency Response System Using AVR Microcontroller And GSM Module”** is a bonafide work carried out by **Aishwarya R-1GV14EC006, Maria Swetha J - 1GV14EC029, Vinodh Prabhakaran V-1GV13EC415** in the partial fulfillment for the award of degree of Bachelor of Engineering in **Electronics and Communication Engineering** of the **Visvesvaraya Technological University, Belagavi** during the year 2017-2018. It is certified that all corrections/suggestions indicated for the assessment have been incorporated in the report deposited in the departmental library. The Project report has been approved as it satisfies the academic requirement in respect of Project work - **10ECP85** prescribed for the Bachelor of Engineering

Degree.
Prasanna S
.....
Signature of Guide
Mr. Prasanna
Balasubramanyan S

Ruckmani Divakaran
13.6.2018
.....
Signature of HOD
Prof. Ruckmani Divakaran
Head of the Department

Syed Ariff
13/6/18
.....
Signature of Principal
Dr. Syed Ariff
PRINCIPAL

Name of Examiners
Dept. of Electronics and Communication Engg.
Dr. T.Thimmaiah Institute of Technology
Oorgaum, K.G.F.- 563 120.

Dr. T. Thimmaiah Institute of Technology
Oorgaum, K. G. F.- 563120
Signature with Date

- 1. *Ruckmani Divakaran*
- 2. *Prasanna M*

- 1. *Ruckmani Divakaran*
13.6.2018
- 2. *Prasanna M*
13/6/18

ACKNOWLEDGEMENT

It is with the profound feeling of gratitude we would like to express my sincere thanks to our institution **Dr. T. THIMMAIAH INSTITUTE OF TECHNOLOGY, K.G.F** for providing excellent infrastructure for the successful completion of this project.

We wish to express a wholehearted thanks to our **Principal Dr. Syed Ariff** for providing good infrastructure for undergoing this project in college.

We would like to extend hearty thanks to our **Dean and HOD, Prof. Ruckmani Divakaran** for being a constant support of encouragement to carry out the project successfully.

We would like to thank our **guide, Mr. Prasanna Balasubramanyam.S, Asst. Prof.**, for his valuable suggestions, guidance and support in the completion of this project.

We would also like to thank our **project coordinator, Mrs. Jenitha, Asst. Prof.**, for her valuable suggestions, guidance and support in the completion of this project.

We would like to express our sincere thanks to our sponsor **Karnataka State Council for Science and Technology (KSCST), Bangalore** for providing fund for successful completion of this project.

We would like to thank all teaching and non-teaching staff who were directly and indirectly supported for carrying out this project successfully.

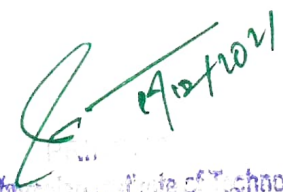
We extend my hearty thanks to our parents, friends for all the moral support provided during the preparation for this project.

AISHWARYA R	1GV14EC006
MARIA SWETHA J	1GV14EC029
VINODH PRABHAKARAN V	1GV13EC415

SYNOPSIS

In this project, we will be designing an Arduino based system for LPG Gas Leakage detection and Emergency response. Sometimes the presence of LPG leakage can be hazardous. In such case, there should be a system which detects the presence of gas and also devices a safety mechanism which can avoid any catastrophic event. This proposed system can be integrated into a unit that can give audio suggestions so as the person may not panic and follow the instructions when a gas leakage is detected, it turns ON the exhaust fan to evacuate the gas from the room, turns OFF the gas cylinder regulator knob.

The sensed gas level is transferred to a real-time web application via wireless communication technology and through the IoT application BLYNK. The data can be accessed on any standard computer connected to internet or Android smart phone using BLYNK application. BLYNK is an IoT platform to control Arduino over internet. In this project BLYNK provides a digital dashboard on the smart phone that displays real-time readings. The system also sends SMS to Family members using GSM technology which provides offline support on the cell phones which lacks internet facility. Hence, the proposed system provides both online and offline support.


Dr. T. Jithu Institute of Technology
Oorgaam, K. G. F- 563120

IFSC CODE : CNRB0000671
MICR CODE : 563015202

STATEMENT OF ACCOUNT
Account No : 8651201000002
Product Name : CURRENT ACCOUNT- GENERAL

Statement of Account for the Period from 10/10/2017 to 01/03/2018

Customer ID : 70503010
Customer Name : BIO FUEL INFORMATION
Customer Address : C/O Dr TIT INSTITUTE OF TECHNOLOG OORGAUM POST
DR TIT OORGAUM KGF

Nominee Reference Num

Nominee Name

Account Title : BIO FUEL INFORMATION
Joint Holder's / Authorised : 1. SYED ARIFF
Person's name : 2. H G SHENOY

: 3.

Value Date	Posting Date	BRANCH	DESCRIPTION	REF/CHQ NO.	WITH DRAWALS	DEPOSITS	BALANCE
10/10/2017	10/10/2017	0	B/F ...		0.00	381,933.00	381933.00
10/10/2017	10/10/2017	671	CASA. CHEQUE WITHDRAWAL	000000168306	15,730.00	0.00	366203.00
07/11/2017	07/11/2017	671	CASA. CHEQUE WITHDRAWAL	000000168307	15,730.00	0.00	350473.00
22/11/2017	22/11/2017	671	CASA. CHEQUE WITHDRAWAL	000000168308	25,000.00	0.00	325473.00
07/12/2017	07/12/2017	671	CASA. CHEQUE WITHDRAWAL	000000168309	15,730.00	0.00	309743.00
1/2018	09/01/2018	671	CASA. CHEQUE WITHDRAWAL	000000168310	13,856.00	0.00	295887.00
31/01/2018	31/01/2018	671	CASA. CHEQUE WITHDRAWAL	000000168311	20,000.00	0.00	275887.00
07/02/2018	07/02/2018	671	CASA. CHEQUE WITHDRAWAL	000000168312	15,730.00	0.00	260157.00

Value Date	Posting Date	BRANCH	DESCRIPTION	REF/CHQ NO.	WITH DRAWALS	DEPOSITS	BALANCE
TOTAL :							
OPENING BALANCE :	381,933.00C		Dr. Count :	7	Dr. Amount:	121,776.00	
CLOSING BALANCE :	260,157.00		Cr. Count :	1	Cr. Amount:	381,933.00	
UNCLEAR BALANCE :							

Sweep in Balance : 0.00

UNLESS THE CONSTITUENT BRINGS TO THE NOTICE OF THE BANK ANY DISCREPANCY / ERRORS / OMISSION / UNAUTHORISED DEBITS IMMEDIATELY, THE ENTRIES IN SUCH PASS SHEET SHALL BE DEEMED AS CORRECT AND SHALL BIND THE CONSTITUENT FOR ALL PURPOSES AND INTENTS.
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Nrupatunga Road
Details of Ombudsman: MessThe Banking Ombudsman
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Bangalore-560001 Tel:0000 / 0000 Fax0
E-mail: bobangalore@rbi.org.in

ARE YOU A MERCHANT / TRADER / RETAILER / SMALL VENDOR. USE DIGITAL PAYMENT CHANNEL TO RECEIVE PAYMENT FROM YOUR CUSTOMERS. CONTACT BRANCH MANAGER FOR MORE DETAILS. GO CASHLESS / CARDLESS

COMPUTER OUTPUT- DOES NOT REQUIRE SIGNATURE

----- END OF STATEMENT -----

[Handwritten Signature]
05/03/2018
PRINCIPAL
Dr. T. Thimmaiah Institute of Technology
Oorgaum, K.G.F. - 563 120.

IFSC CODE : CNRB0000671
MICR CODE : 563015202

STATEMENT OF ACCOUNT
Account No : 8651201000002
Product Name : CURRENT ACCOUNT- GENERAL

Statement of Account for the Period from 10/10/2017 to 01/03/2018

Customer ID : 76503010
Customer Name : BIO FUEL INFORMATION
Customer Address : C/O Dr TIT INSTITUTE OF TECHNOLOG OORGAUM POST
DR TIT OORGAUM KGF

Nominee Reference Num

Nominee Name

Account Title : BIO FUEL INFORMATION
Joint Holder's / Authorised : 1 SYED ARIFF
Person's name : 2. H G SHENOY : 3.

Value Date	Posting Date	BRANCH	DESCRIPTION	REF/CHQ NO.	WITH DRAWALS	DEPOSITS	BALANCE
10/10/2017	10/10/2017	0	B/F ...		0.00	381,933.00	381933.00
10/10/2017	10/10/2017	671	CASA. CHEQUE WITHDRAWAL	000000168306	15,730.00	0.00	366203.00
07/11/2017	07/11/2017	671	CASA. CHEQUE WITHDRAWAL	000000168307	15,730.00	0.00	350473.00
22/11/2017	22/11/2017	671	CASA. CHEQUE WITHDRAWAL	000000168308	25,000.00	0.00	325473.00
07/12/2017	07/12/2017	671	CASA. CHEQUE WITHDRAWAL	000000168309	15,730.00	0.00	309743.00
01/2018	09/01/2018	671	CASA. CHEQUE WITHDRAWAL	000000168310	13,056.00	0.00	295887.00
31/01/2018	31/01/2018	671	CASA. CHEQUE WITHDRAWAL	000000168311	20,000.00	0.00	275887.00
07/02/2018	07/02/2018	671	CASA. CHEQUE WITHDRAWAL	000000168312	15,730.00	0.00	260157.00

Value Date	Posting Date	BRANCH	DESCRIPTION	REF/CHQ NO.	WITH DRAWALS	DEPOSITS	BALANCE
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TOTAL :

OPENING BALANCE :	381,933.00C	Dr. Count :	7	Dr. Amount:	121,776.00
CLOSING BALANCE :	260,157.00	Cr. Count :	1	Cr. Amount:	381,933.00
UNCLEAR BALANCE :					

Sweep in Balance : 0.00

UNLESS THE CONSTITUENT BRINGS TO THE NOTICE OF THE BANK ANY DISCREPANCY /ERRORS /OMMISSION /UNAUTHORISED DEBITS IMMEDIATELY, THE ENTRIES IN SUCH PASS SHEET SHALL BE DEEMED AS CORRECT AND SHALL BIND THE CONSTITUENT FOR ALL PURPOSES AND INTENTS.
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E-mail: bobangalore@rbi.org.in

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COMPUTER OUTPUT- DOES NOT REQUIRE SIGNATURE

----- END OF STATEMENT -----

[Handwritten Signature]
19/12/2018
PRINCIPAL
Dr. T. Thimuzai Institute of Technology
Oorgaum, K.G.F. - 563 120.
10/12/2018

CANARA BANK
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671

Date : 7/14/2017 4:22:
Page No.: 1

IFSC CODE : CNRB0000671
MICR CODE : 563015202

STATEMENT OF ACCOUNT
Account No : 8651201000002
Product Name : CURRENT ACCOUNT- GENERAL

Statement of Account for the Period from 01/04/2017 to 14/07/2017

Customer ID : 70503010
Customer Name : BIO FUEL INFORMATION
Customer Address : C/O Dr TTIT INSTITUTE OF TECHNOLOG OORGAUM POST
DR TTIT OORGAUM KGF
Nominee Reference Num

Nominee Name

Account Title : BIO FUEL INFORMATION
Joint Holder's / Authorised : 1. SYED ARIFF
Person's name : 2. H G SHENOY

:3.

Posting Date	Value Date	BRANCH	DESCRIPTION	REF/CHQ NO.	WITH DRAWALS	DEPOSITS	BALANCE
01/04/2017	01/04/2017	0	B/F ...		0.00	279,914.00	279914.00
11/04/2017	11/04/2017	671	SELF	000000526099	14,300.00	0.00	265614.00
13/04/2017	13/04/2017	671	PASS SHEET ISSUE CHARGES		50.00	0.00	265564.00
13/04/2017	13/04/2017	671	PASS SHEET ISSUE CHARGES		8.00	0.00	265556.00
03/05/2017	03/05/2017	671	CASA. CHEQUE WITHDRAWAL	000000526100	14,300.00	0.00	251256.00
18/05/2017	18/05/2017	671	SC FOR CHEQUE BOOK DELIVERY		150.00	0.00	251106.00
18/05/2017	18/05/2017	671	ST ON SC PART DR/PART HOLD		23.00	0.00	251083.00
03/06/2017	03/06/2017	671	SELF	000000168301	17,160.00	0.00	233923.00
07/07/2017	07/07/2017	671	NEFT-KARNATAKA STATE BIO ENERGY DEVELOP-IBKL170707 650549		0.00	200,000.00	433923.00

Posting Date	Value Date	BRANCH	DESCRIPTION	REF/CHQ NO.	WITH DRAWALS	DEPOSITS	BALANCE
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TOTAL :

OPENING BALANCE : 279,914.00C Dr. Count : 7 Dr. Amount: 45,991.00
CLOSING BALANCE : 433,923.00 Cr. Count : 2 Cr. Amount: 479,914.00
UNCLEAR BALANCE :

Sweep in Balance : 0.00

UNLESS THE CONSTITUENT BRINGS TO THE NOTICE OF THE BANK ANY DISCREPANCY /ERRORS /OMISSION /UNAUTHORISED DEBITS IMMEDIATELY, THE ENTRIES IN SUCH PASS SHEET SHALL BE DEEMED AS CORRECT AND SHALL BIND THE CONSTITUENT FOR ALL PURPOSES AND INTENTS.
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Details of Ombudsman: MessThe Banking Ombudsman
C/o. RBI, 10/3/8
Bangalore-560001 Tel:0000 / 0000 Fax0
E-mail: bobangalore@rbi.org.in

14/07/2017
PRINCIPAL
Dr. T. Thirumalaiah Institute of Technology
Oorgaum, K.G.F. - 563 120.

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671

Date : 10/10/2017 3:14
Page No.: 1

IFSC CODE : CNPB0000671
MICR CODE : 563015202

STATEMENT OF ACCOUNT
Account No : 8651201000002
Product Name : CURRENT ACCOUNT- GENERAL

Statement of Account for the Period from 07/07/2017 to 10/10/2017

Customer ID : 70503010
Customer Name : BIO FUEL INFORMATION
Customer Address : C/O DR TITIT INSTITUTE OF TECHNOLOG OORGAUM POST
DR TITIT OORGAUM KGF

Nominee Reference Num

Nominee Name

Account Title : BIO FUEL INFORMATION
Joint Holder's / Authorised : 1. SYED ARIFF
Person's name : 2. H G SHENOY : 3.

Posting Date	Value Date	BRANCH	DESCRIPTION	REF/CHQ NO.	WITH DRAWALS	DEPOSITS	BALANCE
07/07/2017	07/07/2017	0	B/F ...		0.00	233,923.00	233923.00
07/07/2017	07/07/2017	671	NEFT-KARNATAKA STATE BIO ENERGY DEVELOP-IBKL170707 650549		0.00	210,000.00	433913.00
15/07/2017	15/07/2017	671	CASA. CHEQUE WITHDRAWAL	000000168302	15,730.00	0.00	418183.00
14/08/2017	14/08/2017	671	CASA. CHEQUE WITHDRAWAL	000000168303	15,730.00	0.00	402453.00
30/08/2017	30/08/2017	683	SB ACS		0.00	5,000.00	407453.00
04/09/2017	04/09/2017	671	CASA. CHEQUE WITHDRAWAL	000000168304	3,800.00	0.00	399653.00
08/09/2017	08/09/2017	671	CASA. CHEQUE WITHDRAWAL	000000168305	15,730.00	0.00	381853.00
10/10/2017	10/10/2017	671	CASA. CHEQUE WITHDRAWAL	000000168306	15,730.00	0.00	366053.00

Posting Date	Value Date	BRANCH	DESCRIPTION	REF/CHQ NO.	WITH DRAWALS	DEPOSITS	BALANCE
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TOTAL :

OPENING BALANCE : 233,923.000 Cr. Count : 5 Cr. Amount : 73,720.00
CLOSING BALANCE : 366,203.00 Cr. Count : 3 Cr. Amount : 439,473.00
UNCLEAR BALANCE :

Sweep in Balance : 0.00

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Details of Ombudsman: MessThe Banking Ombudsman
C/o. RBI, 10/3/8
Bangalore-560001 Tel:0000 / 0000 Fax:
E-mail: bobangalore@rbi.org.in

10/10/2017
PRINCIPAL
Dr. T. Thirumalaiah Institute of Technology
Oorgaum, K.G.F. - 563 120.

CANARA BANK
ROBERTSONPET KGF
671

IFSC CODE : CNRB0000671
MICR CODE : 563015202

STATEMENT OF ACCOUNT
Account No : 8651201000002
Product Name : CURRENT ACCOUNT- GENERAL

Statement of Account for the Period from 08/12/2016 to 31/03/2017

Customer ID : 70503010
Customer Name : BIO FUEL INFORMATION
Customer Address : C/O Dr TTIT INSTITUTE OF TECHNOLOG OORGAUM POST
DR TTIT OORGAUM KGF
Nominee Reference Num

Nominee Name

Account Title : BIO FUEL INFORMATION
Joint Holder's / Authorised : 1. SYED ARIFF
Person's name : 2. H G SHENOY : 3.

Posting Date	Value Date	BRANCH	DESCRIPTION	REF/CHQ NO.	WITH DRAWALS	DEPOSITS	BALANCE
08/12/2016	08/12/2016	0	B/F ...		0.00	142,814.00	142814.00
05/01/2017	05/01/2017	671	RAJAN S	000000526093	8,800.00	0.00	134014.00
06/01/2017	06/01/2017	671	CLG	526095	5,500.00	0.00	128514.00
07/02/2017	07/02/2017	671	SELF	000000526096	14,300.00	0.00	114214.00
03/03/2017	03/03/2017	671	SELF	000000526097	20,000.00	0.00	94214.00
03/03/2017	03/03/2017	671	SELF	000000526098	14,300.00	0.00	79914.00
28/03/2017	28/03/2017	671	NEFT-KARNATAKA STATE BIO ENERGY DEVELOP-IBKL170328 851417		0.00	200,000.00	279914.00

Posting Date	Value Date	BRANCH	DESCRIPTION	REF/CHQ NO.	WITH DRAWALS	DEPOSITS	BALANCE
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TOTAL :

OPENING BALANCE :	142,814.00C	Dr. Count :	5 Dr. Amount:	62,900.00
CLOSING BALANCE :	279,914.00	Cr. Count :	2 Cr. Amount:	342,814.00
UNCLEAR BALANCE :				

Sweep in Balance : 0.00

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[Signature]
13/04/2017
PRINCIPAL
Dr. T. Thirumalaiah Institute of Technology
Oorgaum, K.G.F. - 563 120.

Date : 1/4/2017 4:12:4
Page No.: 1

CANARA BANK
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671

IFSC CODE : CNRB0000671
MICR CODE : 563015202

STATEMENT OF ACCOUNT
Account No : 8651201000002
Product Name : CURRENT ACCOUNT- GENERAL

Statement of Account for the Period from 05/08/2016 to 04/01/2017

Customer ID : 70503010
Customer Name : BIO FUEL INFORMATION
Customer Address : C/O Dr TTIT INSTITUTE OF TECHNOLOG OORGAUM POST
DR TTIT OORGAUM KGF
Nominee Reference Num
Nominee Name

Account Title : BIO FUEL INFORMATION
Joint Holder's / Authorised Person's name : 1. SYED ARIFF
: 2. H G SHENOY : 3.

Posting Date	Value Date	BRANCH	DESCRIPTION	REF/CHQ NO.	WITH DRAWALS	DEPOSITS	BALANCE
05/08/2016	05/08/2016	0	B/F ...		0.00	33,329.00	33329.00
05/08/2016	05/08/2016	671	CASA. CHEQUE WITHDRAWAL	000000526082	14,300.00	0.00	19029.00
09/08/2016	09/08/2016	1879	RTGSIW:KARNATAKA STATE BIO ENERGY DEVELOP-IBKLR92016 080900098546		0.00	200,000.00	219029.00
08/09/2016	08/09/2016	671	SELF	000000526083	14,300.00	0.00	204729.00
12/09/2016	12/09/2016	671	SELF	000000526084	6,600.00	0.00	198129.00
06/10/2016	06/10/2016	671	CASA. CHEQUE WITHDRAWAL	000000526085	14,300.00	0.00	183829.00
29/11/2016	29/11/2016	485	TO CLG : RAJAN	000000526088	8,900.00	0.00	175029.00
30/11/2016	30/11/2016	671	JYOTHI	526089	5,500.00	0.00	169529.00
06/12/2016	06/12/2016	671	TO CLG : JYOTHI	000000526091	5,500.00	0.00	164029.00
07/12/2016	07/12/2016	485	TO CLG : HG SHENOY	000000526090	12,415.00	0.00	151614.00
07/12/2016	07/12/2016	485	TO CLG : RAJAN S	000000526092	8,900.00	0.00	142814.00

Posting Date	Value Date	BRANCH	DESCRIPTION	REF/CHQ NO.	WITH DRAWALS	DEPOSITS	BALANCE
TOTAL :							
OPENING BALANCE :			33,329.00	Dr. Count :	9	Dr. Amount:	90,515.00
CLOSING BALANCE :			142,814.00	Cr. Count :	2	Cr. Amount:	233,329.00
UNCLEAR BALANCE :							

Sweep in Balance : 0.00

UNLESS THE CONSTITUENT BRINGS TO THE NOTICE OF THE BANK ANY DISCREPANCY / ERRORS / OMISSION / UNAUTHORISED DEBITS IMMEDIATELY, THE ENTRIES IN SUCH PASS SHEET SHALL BE DEEMED AS CORRECT AND SHALL BIND THE CONSTITUENT FOR ALL PURPOSES AND INTENTS.
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Details of Ombudsman: MessThe Banking Ombudsman
C/o. RBI, 10/3/8
Bangalore-560001 Tel: 0000 / 0000 Fax 0
E-mail: bobangalore@rbi.org.in

[Signature]
04/01/2017
PRINCIPAL
Dr. T. Thimmaiah Institute of Technology
Oorgaum, K.G.F. - 563 120.

Toll Free No: 1800 425 0018

IFSC CODE : CNRB0000671
MICR CODE : 563015202

STATEMENT OF ACCOUNT
Account No : 8651201000002
Product Name : CURRENT ACCOUNT- GENERAL

Statement of Account for the Period from 10/06/2016 to 22/08/2016

Customer ID : 70503010
Customer Name : BIO FUEL INFORMATION
Customer Address : C/O Dr TTIT INSTITUTE OF TECHNOLOG OORGAUM POST
DR TTIT OORGAUM KGF 563120
Nominee Reference Num

Nominee Name

Account Title : BIO FUEL INFORMATION
Joint Holder's / Authorised : 1. SYED ARIFF : 3.
Person's name : 2. H G SHENOY

Value Date	Posting Date	BRANCH	DESCRIPTION	REF/CHQ NO.	WITH DRAWALS	DEPOSITS	BALANCE
10/06/2016	10/06/2016	0	B/F ...		0.00	61,929.00	61929.00
10/06/2016	10/06/2016	671	SELF	000000526080	14,300.00	0.00	47629.00
04/07/2016	04/07/2016	671	SELF	000000526081	14,300.00	0.00	33329.00
05/08/2016	05/08/2016	671	CASA. CHEQUE WITHDRAWAL	000000526082	14,300.00	0.00	19029.00
09/08/2016	09/08/2016	1879	RTGSIW:KARNATAKA STATE BIO ENERGY DEVELOP-IBKLR92016 080900098546		0.00	200,000.00	219029.00

TOTAL :

OPENING BALANCE : 61,929.00C Dr. Count : 3 Dr. Amount: 42,900.00
CLOSING BALANCE : 219,029.00 Cr. Count : 2 Cr. Amount: 261,929.00
UNCLEAR BALANCE :

UNLESS THE CONSTITUENT BRINGS TO THE NOTICE OF THE BANK ANY DISCREPANCY /ERRORS /OMMISSION /UNAUTHORISED DEBITS IMMEDIATELY, THE ENTRIES IN SUCH PASS SHEET SHALL BE DEEMED AS CORRECT AND SHALL BIND THE CONSTITUENT FOR ALL PURPOSES AND INTENTS.
BEWARE OF PHISHING ATTACKS THROUGH EMAILS OR FAKE WEBSITES

IMB FACILITY USERS ARE REQUESTED TO NOTE THAT CANARA BANK DOES NOT SEEK ANY INFORMATION THROUGH EMAIL.DO NOT CLICK ON ANY LINK WHICH HAS COME THROUGH EMAIL FROM UNEXPECTED SOURCES.IT MAY CONTAIN MALICIOUS CODE OR COULD BE AN ATTEMPT TO "PHISH".ALWAYS LOGIN THROUGH WWW.CANARABANK.IN.PLEASE BEWARE OF PHISHING

CHANGE IN THE ADDRESS OF ACCOUNT HOLDER/PA HOLDER, IF ANY, MAY PLEASE BE INFORMED TO THE BRANCH ALONG WITH ADDRESS PROOF

Details of Ombudsman: MessThe Banking Ombudsman
C/o. RBI, 10/3/8 Nrupatunga Road
Bangalore-560001 Tel:0000 /0000 Fax:0
E-mail: bobangalore@rbi.org.in

COMPUTER OUTPUT- DOES NOT REQUIRE SIGNATURE

----- END OF STATEMENT -----

Value Date	Posting Date	BRANCH	DESCRIPTION	REF/CHQ NO.	WITH DRAWALS	DEPOSITS	BALANCE
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25/08/2016
PRINCIPAL
Dr. T. Thimpaiah Institute of Technology
Oorgaum, K.G.F. - 563 120.