

**TEMPERATURE MONITORING SYSTEM USING
8051 MICROCONTROLLER**

Project submitted

To

Bhavan's Vivekananda College

By

Afsheen Tabassum, G.Bharadwaj, Deeksha Chatterjee

B.Sc.(MECs) III Year

(Under DBT-Star College Scheme)

2019-2020



Under the Guidance of

Mrs. M.Prasanna

Project Supervisor

Department of Physics and Electronics

Bhavan's Vivekananda College of Science, Humanities & Commerce

Sainikpuri, Secunderabad-500094 (Accredited with 'A' grade by NAAC)

Autonomous College-Affiliated to Osmania University.

CERTIFICATE

This is to certify that Afsheen Tabassum, G.Bharadwaj, Deeksha Chatterjee, III year student's from B.Sc.(MECs) carried out a research project entitled "Temperature monitoring system using 8051 Microcontroller", under the guidance of **Mrs. M. Prasanna**, Project Supervisor, Department of Physics and Electronics, Bhavan's Vivekananda College, Sainikpuri, Secunderabad. The duration of the project was from July 2019 to March 2020. This work can form basis for any other degree either in part or in full.

Mrs. B. Niraimathi,
Head of the department,
Dept. of Physics & Electronics
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Mrs. M. Prasanna
Project Supervisor
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Prof. Y. Ashok,

Principal,
Bhavan's Vivekananda College,
Sainikpuri, Secunderabad.

Voice Controlled Smart Home Automation System

Project Submitted

To

Bhavan's Vivekananda College

By

C V S Anil Kumar, K. Karthik

B.Sc. (MECs) II Year

(Under DBT- Star College Scheme)

2019-2020



Under the Guidance of

Mrs P Lavanya

Project Supervisor

Department of Physics and Electronics

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Sainikpuri, Secunderabad – 500094

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CERTIFICATE

This is to certify that **C V S Anil Kumar, K Karthik**, Second-year students of B.Sc. (MECs) carried out a research project entitled "**Voice Controlled Smart Home Automation System**", under the guidance of **Mrs P Lavanya**, Project Supervisor, Department of Physics and Electronics, Bhavan's Vivekananda College, Sainikpuri, Secunderabad. The duration of the project was from July 2019 to March 2020. This work has formed the basis or any other degree either in part or in full.



Mrs. P Lavanya,
Project Supervisor,



Mrs.B. Niraimathi,
Head of the Department,
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**HEART BEAT MONITORING SYSTEM USING
8051 MICROCONTROLLER**

Project submitted

To

Bhavan's Vivekananda College

By

G.Bharadwaj,Rohit Raj

B.Sc.(MECs) III Year

(Under DBT-Star College Scheme)

2019-2020



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CERTIFICATE

This is to certify that G.Bharadwaj,Rohit Raj, III year student's from B.Sc.(MECs) carried out a research project entitled "**Heartbeat monitoring system using 8051 Microcontroller**",under the guidance of **Mrs.M.Prasanna**, Project Supervisor,Department of Physics and Electronics, Bhavan's Vivekananda College, Sainikpuri, Secunderabad. The duration of the project was from July 2019 to March 2020. This work has formed basis or any other degree either in part or in full.



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8051 Microcontroller based frequency counter

Project Submitted

To

Bhavan's Vivekananda College

By

Mr K Rohan, Mr K Naga Sai Krishna

B.Sc. (MECs) III Year

(Under DBT- Star College Scheme)

2019-2020



Under the Guidance of

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This is to certify that Mr K Rohan, Mr K Naga Sai Krishna of B.Sc. (MECs) III Year carried out a research project entitled “**8051 Microcontroller based frequency counter**”, under the guidance of **Mr VLNH Prasad Thutupalli** Project Supervisor, Department of Physics and Electronics, Bhavan’s Vivekananda College, Sainikpuri, Secunderabad. The duration of the project was from July 2019 to March 2020. This work has formed basis or any other degree either in part or in full.

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Prof. Y. Ashok,
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Bhavan’s Vivekananda College,
Sainikpuri, Secunderabad.

**Android Phone controlled robot using 8051 microcontroller and
Bluetooth module**

Project Submitted

To

Bhavan's Vivekananda College

By

Ms N Lakshmi Prasanna , Ms V Harshitha

B.Sc. (MECs) III Year

(Under DBT- Star College Scheme)

2019-2020



Under the Guidance of

Mr VLNH Prasad Thutupalli

Project Supervisor

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2020/01/20
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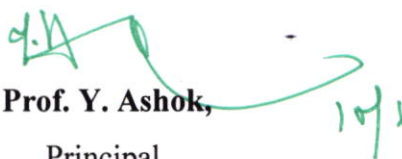
This is to certify that Ms N Lakshmi Prasanna, Ms V Harshitha of B.Sc. (MECs) III Year carried out a research project entitled “**Android Phone controlled robot using 8051 microcontroller and Bluetooth module**”, under the guidance of **Mr VLNH Prasad Thutupalli** Project Supervisor, Department of Physics and Electronics, Bhavan’s Vivekananda College, Sainikpuri, Secunderabad. The duration of the project was from July 2019 to March 2020. This work has formed basis or any other degree either in part or in full.



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Prof. Y. Ashok,
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Methods of determination of Refractive index

Project Submitted

To

Bhavan's Vivekananda College of Science Humanities and Commerce

By

P. SHRIVARDHINI, THARUN SOMARAJU, V. SURYA KIRAN

B.Sc. (MPCs) III Year

(Under DBT- Star College Scheme)

2019-2020



Under the Guidance of

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CERTIFICATE

This is to certify that P. Shrivardhini, Tharun Somaraju, V. Surya Kiran, Third year students of B.Sc. (MPCs) carried out a research project entitled “**Methods of determination of Refractive index**” under the guidance of **Mrs.T Sai Santhoshi**, Department of Physics and Electronics, Bhavan’s Vivekananda College, Sainikpuri, Secunderabad. The duration of the project was from July 2019 to March 2020. This work has formed basis or any other degree either in part or in full.

Mrs. T Sai Santhoshi

Project Supervisor

Mrs.B. Niraimathi

Head of the Department, Department of Physics and Electronics,

Prof. Y. Ashok

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**IOT BASED HUMIDITY AND TEMPERATURE
MONITORING SYSTEM**

Project Submitted

To

BHAVAN'S VIVEKANANDA COLLEGE

By

Prasoon Y , Tejaswi Pampari

B.Sc. (MECs) II Year

(Under DBT- Star College Scheme)

2019-2020



Under the Guidance of

Mrs. P Lavanya

Project Supervisor

DEPARTMENT OF PHYSICS AND ELECTRONICS

**BHAVAN'S VIVEKANANDA COLLEGE OF SCIENCE, HUMANITIES
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This is to certify that **PRASOONA.Y, TEJASWI.PAMPARA**, Second year students of B.Sc. (MECs) carried out a research project entitled “**IOT BASED TEMPERATURE AND HUMIDITY MONITORING SYSTEM**”, under the guidance of **Mrs.P.LAVANYA**, Project Supervisor, Department of Physics and Electronics, Bhavan’s Vivekananda College, Sainikpuri, Secunderabad. The duration of the project was from July 2019 to March 2020. This work has formed basis or any other degree either in part or in full.

Mrs. B. NIRAIMATHI,
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TRANSMISSION OF DATA THROUGH LIGHT

"LIGHT LAGADALA THO, LIFE GINGALALA"

Project Submitted

To

Bhavan's Vivekananda College

By

Shaanthanu Varma, 107219474057

N Sanjuth Reddy, 107219474047

Vicky Das. 107219474064

B.Sc. (MECs) I Year

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2019-2020



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CERTIFICATE

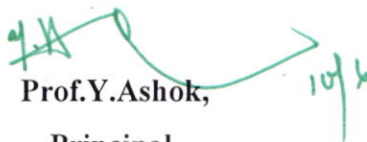
This is to certify that **Shaanthanu Varma, 107219474057, N Sanjuth Reddy, 107219474047, Vicky Das, 107219474064** first year students of B.Sc. (MECs) carried out a research project entitled **“Transmission Of Data Through Light”**, under the guidance of **Mrs. M. Prasanna**, Project Supervisor, Department of Physics and Electronics, Bhavan’s Vivekananda College, Sainikpuri, Secunderabad. The duration of the project was from July 2019 to March 2020. This work can form basis for any other degree either in part or in full.



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Prof.Y.Ashok,
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Sainikpuri, Secunderabad.

Obstacle avoiding car

Project Submitted

To

Bhavan's Vivekananda College

By

Suryakanth Bal , Dinesh Reddy

B.Sc. (MECs) III Year

(Under DBT- Star College Scheme)

2019-2020



Under the Guidance of

Mrs. PRASANNA

Project Supervisor

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CERTIFICATE

This is to certify that suryakanth bal, Dinesh reddy , Third year students of B.Sc. (MECs) carried out a research project entitled “**Obstacle avoiding car**”, under the guidance of **Mrs.Prasanna**, Project Supervisor, Department of Physics and Electronics, Bhavan’s Vivekananda College, Sainikpuri, Secunderabad. The duration of the project was from July 2019 to March 2020. This work has formed basis or any other degree either in part or in full.



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Obstacle avoiding car

Project Submitted

To

Bhavan's Vivekananda College

By

Suryakanth Bal , Dinesh Reddy

B.Sc. (MECs) III Year

(Under DBT- Star College Scheme)

2019-2020



Under the Guidance of

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Project Supervisor

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