

# Electrical System Design using Arduino

<p>DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Periyar Nagar, Vallam, Thanjavur - 613 403, Tamil Nadu, India Phone: +91 - 4362 - 264600 Fax: +91 - 4362 - 264660 Email: headeee@pnu.edu Web: www.pnu.edu</p>  <p><b>Certificate of Completion</b></p> <p>This is to certify that Mr. KARTHIK A of III Year B.Tech. EEE has completed a short course on "Electrical System Design using Aurdino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.</p> <p> Course Coordinator</p> <p> HoD/EEE</p>	<p>DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Periyar Nagar, Vallam, Thanjavur - 613 403, Tamil Nadu, India Phone: +91 - 4362 - 264600 Fax: +91 - 4362 - 264660 Email: headeee@pnu.edu Web: www.pnu.edu</p>  <p><b>Certificate of Completion</b></p> <p>This is to certify that Mr. KATHIRAVAN R of III Year B.Tech. EEE has completed a short course on "Electrical System Design using Aurdino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.</p> <p> Course Coordinator</p> <p> HoD/EEE</p>
<p>KARTHIK A (121012014468)</p>	<p>KATHIRAVAN R (121012014469)</p>
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<p>MOHAMED MUSHARAF T (121012014470)</p>	<p>MOHAMED RAZITH M (121012014471)</p>
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<p>NITHISH T (121012014472)</p>	<p>SAKTHEESWARAN K (121012014473)</p>

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### Certificate of Completion

This is to certify that Mr. SARANKUMAR S of III Year B.Tech. EEE has completed a short course on "Electrical System Design using Aurdino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

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SARANKUMAR S  
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### Certificate of Completion

This is to certify that Mr. VINOTH KRISHNA S of III Year B.Tech. EEE has completed a short course on "Electrical System Design using Aurdino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

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VINOTH KRISHNA S  
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This is to certify that Mr. ABIMANI M of III Year B.Tech. EEE has completed a short course on "Electrical System Design using Aurdino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

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ABIMANI M  
(122012064445)

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This is to certify that Mr. ABINESH B of III Year B.Tech. EEE has completed a short course on "Electrical System Design using Aurdino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

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ABINSH B  
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This is to certify that Mr. ABIRATHNAM B of III Year B.Tech. EEE has completed a short course on "Electrical System Design using Aurdino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

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Course Coordinator

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This is to certify that Mr. ARAVINDHAN B of III Year B.Tech. EEE has completed a short course on "Electrical System Design using Aurdino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

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### Certificate of Completion

This is to certify that Mr. DEVARASAN G of III Year B.Tech. EEE has completed a short course on "Electrical System Design using Aurdino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

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ARAVINDHAN B  
(122012064449)

DEVARASAN G  
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### Certificate of Completion

This is to certify that Mr. DHARUN SHARMA P of III Year B.Tech. EEE has completed a short course on "Electrical System Design using Aurdino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

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### Certificate of Completion

This is to certify that Mr. HASSAN KHAN S of III Year B.Tech. EEE has completed a short course on "Electrical System Design using Aurdino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

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### Certificate of Completion

This is to certify that Mr. MANISH KIRUTHICK ROSHAN B of III Year B.Tech. EEE has completed a short course on "Electrical System Design using Aurdino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

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### Certificate of Completion

This is to certify that Mr. MANOJ KUMAR M of III Year B.Tech. EEE has completed a short course on "Electrical System Design using Aurdino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

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MANISH KIRUTHICK ROSHAN B  
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MANOJ KUMAR M  
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### Certificate of Completion

This is to certify that Mr. MUGUNDAN A D of III Year B.Tech. EEE has completed a short course on "Electrical System Design using Aurdino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

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This is to certify that Mr. NAFIS KHAN A of III Year B.Tech. EEE has completed a short course on "Electrical System Design using Aurdino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

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MUGUNDAN A D  
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NAFIS KHAN A  
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### Certificate of Completion

This is to certify that Mr. RAJESHKANNA P of III Year B.Tech. EEE has completed a short course on "Electrical System Design using Aurdino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

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### Certificate of Completion

This is to certify that Mr. ROHITH T of III Year B.Tech. EEE has completed a short course on "Electrical System Design using Aurdino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

RAJESHKANNA P  
(122012064457)

ROHITH T  
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### Certificate of Completion

This is to certify that Mr. SRI HARISHKUMAR S of III Year B.Tech. EEE has completed a short course on "Electrical System Design using Aurdino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

SARSHITH KHAN R  
(122012064459)

SRI HARISHKUMAR S  
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### Certificate of Completion

This is to certify that Mr. SUDHAN D of III Year B.Tech. EEE has completed a short course on "Electrical System Design using Aurdino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

SUDHAN D  
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This is to certify that Mr. VETRIVEL V of III Year B.Tech. EEE has completed a short course on "Electrical System Design using Aurdino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

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VETRIVEL V  
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This is to certify that Mr. VISHNU PRIYAN K of III Year B.Tech. EEE has completed a short course on "Electrical System Design using Aurdino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

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VISHNUPRIYAN K  
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This is to certify that Mr. MONISHAN A of III Year B.Tech. EEE has completed a short course on "Electrical System Design using Aurdino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

MONISHAN A  
(122012064464)

## V.Certificates (IV YEAR)

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<p>1. ARAVINDH K (120012014461)</p>	<p>2.EUGINE AKASH J (120012014462)</p>
<p>DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Periyar Nagar, Vallam, Thangavur - 613 403, Tamil Nadu, India Phone: +91 - 4362 - 264600 Fax: +91 - 4362 - 264660 Email: headeee@pnu.edu Web: www.pnu.edu</p>  <p><b>Certificate of Completion</b></p> <p>This is to certify that <b>Mr. GOWTHAMRAJ S.</b> of IV Year B.Tech. EEE has completed a short course on <b>"Electrical System Design using Arduino"</b> from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.</p> <p> Course Coordinator</p> <p> HoD/EEE</p>	<p>DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING Periyar Nagar, Vallam, Thangavur - 613 403, Tamil Nadu, India Phone: +91 - 4362 - 264600 Fax: +91 - 4362 - 264660 Email: headeee@pnu.edu Web: www.pnu.edu</p>  <p><b>Certificate of Completion</b></p> <p>This is to certify that <b>Mr. MANIKANDAN N.</b> of IV Year B.Tech. EEE has completed a short course on <b>"Electrical System Design using Arduino"</b> from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.</p> <p> Course Coordinator</p> <p> HoD/EEE</p>
<p>3.GOWTHAMRAJ S (120012014463)</p>	<p>4.MANIKANDAN N (120012014464)</p>
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<p>5.MOHAMED ARSHED J (120012014465)</p>	<p>6.MOHAMED HALITH A(120012014466)</p>

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Course Coordinator

HoD/EEE

7.BHARATHI B  
(120012064408)

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Course Coordinator

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8.AAKASH R  
(121012064414)

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Course Coordinator

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9.AKASH V J  
(121012064415)

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Course Coordinator

HoD/EEE

10.AKASHVELAN R  
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Course Coordinator

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11.ASWIN KUMAR S  
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Course Coordinator

HoD/EEE

12.BALAMURUGAN M  
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### Certificate of Completion

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Course Coordinator

HoD/EEE

13.GANESH U  
(121012064419)

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### Certificate of Completion

This is to certify that Mr.HARIHARAN O. K. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

14.HARIHARAN O K  
(121012064420)

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### Certificate of Completion

This is to certify that Mr. JOEL SIDDHARDHAN S. K. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

15.JOEL SIDDHARDHAN S K  
(121012064422)

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### Certificate of Completion

This is to certify that Mr.KISHORE B. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

16.KISHORE B  
(121012064423)

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### Certificate of Completion

This is to certify that Mr.KISHORE S. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

17.KISHORE S  
(121012064424)

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### Certificate of Completion

This is to certify that Mr.KRISHNA N. P. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

18.KRISHNA N P  
(121012064425)



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### Certificate of Completion

This is to certify that Mr.MOHAMED JAFFER HUSSAIN S. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

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### Certificate of Completion

This is to certify that Mr.MUTHAMIL SELVAN T. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

19.MOHAMED JAFFER HUSSAIN S  
(121012064426)

20.MUTHAMIL SELVAN T  
(121012064427)

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### Certificate of Completion

This is to certify that Mr.PRADEEP SABARI N. C. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

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### Certificate of Completion

This is to certify that Mr.PRAVINKUMAR N. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

21.PRADEEP SABARI N C  
(121012064428)

22.PRAVINKUMAR N  
(121012064429)

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### Certificate of Completion

This is to certify that Mr.RAJAGOPALAN S. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

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### Certificate of Completion

This is to certify that Mr. SAKTHIBHARATHI G. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

23.RAJAGOPALAN S  
(121012064430)

24.SAKTHIBHARATHI G  
(121012064431)

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### Certificate of Completion

This is to certify that Mr.SELVA K. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

25.SELVA K  
(121012064432)

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### Certificate of Completion

This is to certify that Mr.SHANTANESAN M. G. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

26.SHANTANESAN M G  
(121012064433)

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### Certificate of Completion

This is to certify that Mr.SIVA R. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

27. SIVA R  
(121012064434)

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### Certificate of Completion

This is to certify that Mr.SRIRAM S. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

28.SRIRAM S  
(121012064435)

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### Certificate of Completion

This is to certify that Mr.SUBAN K. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

29.SUBAN K  
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### Certificate of Completion

This is to certify that Mr.THANVEER AHAMED M. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

30.THANVEER AHAMED M  
(121012064437)

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### Certificate of Completion

This is to certify that Mr. THIRUMALAI K. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

31. THIRUMALAI K  
(121012064438)

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### Certificate of Completion

This is to certify that Mr. UDHAYA PRAKASH N. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

32. UDHAYA PRAKASH N  
(121012064439)

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### Certificate of Completion

This is to certify that Mr. VIGNESH R. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

33. VIGNESH R  
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### Certificate of Completion

This is to certify that Mr. VIJAYARAGUNATHAN R. D. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

34. VIJAYARAGUNATHAN R D  
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### Certificate of Completion

This is to certify that Mr. HARISH S. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

35. HARISH S  
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### Certificate of Completion

This is to certify that Mr. VISHWA M. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

36. VISHWA.M  
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### Certificate of Completion

This is to certify that Mr.EROMIYAS S. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

37.EROMIYAS S  
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### Certificate of Completion

This is to certify that Mr.HEMANAND S. of IV Year B.Tech. EEE has completed a short course on "Electrical System Design using Arduino" from 16.10.2023 to 20.10.2023 conducted by the Department of Electrical and Electronics Engineering.

Course Coordinator

HoD/EEE

38.HEMANAND S  
(121012064420)