NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE
(NAAC Accredited)
(Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University, Kerala)

Since 1968

FOR NAAC PURPOSE

This is to certify that the institution have offered Add on /Certificate programs which are not included in curriculum during the last five years and conducted with the minimum of 30 hours duration. The number of Courses is given below:

Academic Year	2019-20	2018-19	2017-18	2016-17	2015-16
No. of programs	16	11	17	9	13

Principal

NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE
(NAAC Accredited)
(Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University, Kerala)

FOR NAAC PURPOSE

This is to certify that the institution have offered 16 Add on /Certificate programs which are not included in curriculum during the academic year 2019-20 and conducted minimum of 30 hours duration. The list of Courses is given below.

SI No.	Course	Total Hours
1	AI using Raspberry PI	30
2	EDA Tools in VLSI	30
3	Strength of Materials	30
4	Digital Communication	30
5	Cyber security	30
6	Python Programming using Machine Learning	30
7	Power Electronics Simulation using MATLAB	30
8	Electric vehicle(Future Mobility)	30
9	Advanced Welding & Casting	30
10	Introduction to MATLAB Software	30
11	Cyber Security	30
12	Networking	30
13	Fundamentals connected Car Technology	30
14	Tyre and Vehicle Handling Dynamics	30
15	Retail Management	30
16	Financial Statement Analysis	30

Principal

PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady, Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE
(NAAC Accredited)
(Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University, Kerala)

Since 1968

FOR NAAC PURPOSE

This is to certify that the institution have offered 11 Add on /Certificate programs which are not included in curriculum during the academic year 2018-19 and and conducted minimum of 30 hours duration. The list of Courses is given below.

Sl No.	Name of Add on /Certificate programs offered	Total Hours
1	Non Destructive Testing	30
2	MS-Office, Oracle and PL/SQL	30
3	Advanced Control Strategies on Electric Vehicles	30
4	Hands on Training on Transformer Design, Manufacturing and Testing	30
5	Advanced Machining Process	30
6	Mixed Signal Systems	30
7	JAVA & ORACLE Course	30
8	IoT and Sensors	30
9	Web Designing	30
10	Artificial Intelligence	30
11	International Marketing	30

Principal

PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady, Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

FOR NAAC PURPOSE

This is to certify that the institution have offered 17 Add on /Certificate programs which are not included in the curriculum during the academic year 2017-18 and conducted with minimum of 30 hours duration. The list of Courses is given below.

Sl No.	Name of Add on /Certificate programs offered	Total Hours
1	Diploma in Logistics	30
2	Mechatronics in Manufacturing	30
3	Tribology in Industry: An Overview	30
4	Introduction to Flexible Manufacturing System	30
5	Android And Java Programming	30
6	Hybrid And Electrical Vehicle Technology	30
7	Autonomous Vehicles and Machines	30
8	Advanced Control Strategies on Electric Vehicles	30
9	Wireless Communication	30
10	Artificial Neural Network	30
11	Machine Kinematics	30
12	Eda Toos In VLSI Design	30
13	Artificial Intelligence Using Rasberry-PI	30
14	Autonomous Vehicles And Machines	30
15	Hybrid And Electrical Vehicle Technologies	30
16	IoT Cloud Computing and Emerging Technologies	30
17	Web Designing	30

Principal

PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady, Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE
(NAAC Accredited)
(Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University, Kerala)

FOR NAAC PURPOSE

This is to certify that the institution have offered 9 Add on /Certificate programs which are not included in the curriculum during the academic year 2016-17 and conducted with the minimum of 30 hours duration. The list of Courses is given below.

Sl No.	Name of Add On / Certificate Programs offered	Total Hours
1	CAD Theory And Practice	30
2	R Programming	30
3	EV Power Train	30
4	EV (Future Mobility)	30
5	Refrigeration and Air Conditioning	30
6	Embedded C Programming And Interfacing	30
7	Automobile Prototyping	30
8	Artificial Intelligence	30
9	Project Management	30

Principal

FOR NAAC PURPOSE

This is to certify that the institution have offered 13 Add on /Certificate programs which are not included in curriculum during the academic year 2015-16 and conducted with the minimum of 30 hours duration. The list of Courses is given below.

Sl No.	Name of Add on /Certificate programs offered	Total Hours
1	Advances In Robotics	30
2	Enterprise Resource Planning	30
3	CNC Mahines, Controls And Part Programming	30
4	Web Designing	30
5	Power Electroncs Simulation Using MATLAB	30
6	Wireless Sensor Network	30
7	Heat And Mass Transfer	30
8	Signals And System	30
9	Pcb Fabrication	30
10	Latest Technologies Of Modern Passenger Car Familiarization, Aggregates And System	30
11	Proposal For Automotive Workshop On Automobile Basics + Advanced System Study	30
12	Big Data Analytics Using Hadoop	30
13	MS Office	30

Principal

PRINCIPAL
Nehru College of
Engineering and Research Centre
Pampady, Thiruvilwamala, Thrissur Dt
Pin 680 597 Kerala

1.2.2 *Number of Add on /Certificate programs offered during the last five years*

SlNo	Description
1	Certificate by Principal
2	**Link for Supporting Documents for last 5 Academic Years:** **2019-20:** https://www.ncerc.ac.in/downloads/criteria1/1.2.2/1.2.2NCERC1.pdf **2018-19:** https://www.ncerc.ac.in/downloads/criteria1/1.2.2/1.2.2NCERC2.pdf **2017-18:** https://www.ncerc.ac.in/downloads/criteria1/1.2.2/1.2.2NCERC3.pdf **2016-17:** https://www.ncerc.ac.in/downloads/criteria1/1.2.2/1.2.2NCERC4.pdf **2015-16:** https://www.ncerc.ac.in/downloads/criteria1/1.2.2/1.2.2NCERC5.pdf