



Dattakala Shikshan Sanstha's

DATTAKALA GROUP OF INSTITUTIONS

| NAAC Accredited & ISO Certified |

Approved by AICTE - New Delhi, DTE - Mumbai, Recognized by Govt. of Maharashtra

Affiliated to Savitribai Phule Pune University, Pune and M.S.B.T.E., Mumbai

| DTE Code: 6628 | MSBTE Code: 1712 | AICTE ID: 1-5986711 | AISHE Code: C-44576 |

Ref: NAAC 2024/MLD/Cr-1.2.1

Date-05/04/2024

Criteria 1.2.1	Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)
Findings of DVV	HEI has not provided any data on the value added courses being delivered through MOOCs platform like SWAYAM ,etc ; HEI to note that the value added courses are part from the normal curricula ;HEI to affix the attendance , report , newspaper clippings , certificates for DVV partner verification for the following VAC :PYTHON DEVELOPER PLC Programming. DC DRIVE INDUSTRIAL APPLICATION (2018-19)
Response/ Clarification	<p>1. As per the clarification, notice, syllabus copy, students attendance list and sample model certificate of sample participation of students for PYTHON DEVELOPER PLC Programming and DC DRIVE INDUSTRIAL APPLICATION (2018-19) value added programs are attached as per DVV request (Appendix I)</p> <p><i>Note: We have supporting document's of all VAP's as DVV only asked documents for two VAPs those are attached</i></p>



Director

Dattakala Group of Institutions
Swami-Chincholi, Tal Daund
Dist.-Pune. Pin - 413 130

Appendix I



Dattakala Shikshan Sanstha's

DATTAKALA GROUP OF INSTITUTIONS

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| DTE Code: 6628 | MSBTE Code: 1712 | AICTE ID: 1-5986711 | AISHE Code: C-44576 |

Date:-26/02/2019

Request Letter

To
The Principal,
Dattakala Group of Institutions,
Swami Chincholi, Dist- Pune.


Subject: - Request to allow conducting PYTHON DEVELOPER Program for the students.

Respected Sir,

With reference to the above subject, we want to start the PYTHON DEVELOPER for the students. The tenure of the program is 30 hrs. The certificate will be provided after successful completion of the course. Kindly grant permission for the same.

Thanks & Regards,




Head of Department
Computer Dept.
Dattakala Group of Institutions
Faculty of Engineering
Swami Chincholi, Tal. Daund, Dist. Pune - 413130



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Date: -26/02/2019

Circular

All the students are hereby informed that the Institute is planning to conduct a, **PYTHON DEVELOPER** on the following topic for the academic Session 2017-2018.

The details are as:

Sr.No.	Value-Added Program	Name Program Coordinator
1.	PYTHON DEVELOPER	PROF. S. N. DHAGE

The **PYTHON DEVELOPER** is of 30 hrs. duration. Interested students are requested to register for **PYTHON DEVELOPER** at earliest. Students who completed the courses successfully with a 65% score only get a certificate from the institute.




Principal

Dattakala Group of Institutions
Faculty of Engineering
Swami-Chincholi, Tal-Daund, Dist-Pune 413130



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Name of the Program: PYTHON DEVELOPER

Session: 15

Duration: 30 Hrs

Class: All FE To BE

Syllabus & Course Content

Sr. No.	Course Content
01	Introduction/Installation/User vs Programmers Variables, Expressions & Statements, Comparison Operators Conditional Execution/Nested decision Loop/For-While loop String Data Types/Slicing/Comparison Library functions Python functions /Arguments and Parameters Files in Python Reading/writing a file/File Processing List Constants/List Method/Built in Method List Dictionaries/Built in method Dictionaries Tuples/Tuples vs Dictionaries Object Oriented Programming Special functions in Python Basic NumPy/Pandas/Matplotlib SQLite database Data Visualization using Plótlly


Program Co Ordinator



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Schedule for PYTHON DEVELOPER (Comp. Engg. Dept.)

Date	Days	Time	Course Content
01/03/2019	Friday	03 pm to 5 pm	Introduction/Installation/User vs Programmers
02/03/2019	Saturday	03 pm to 5 pm	Variables, Expressions & Statements, Comparison Operators
04/03/2019	Monday	03 pm to 5 pm	Conditional Execution/Nested decision
05/03/2019	Tuesday	03 pm to 5 pm	Loop/For-While loop
06/03/2019	Wednesday	03 pm to 5 pm	String Data Types/Slicing/Comparison Library functions
07/03/2019	Thursday	03 pm to 5 pm	Python functions /Arguments and Parameters
08/03/2019	Friday	03 pm to 5 pm	Files in Python Reading/writing a file/File Processing
09/03/2019	Saturday	03 pm to 5 pm	List Constants/List Method/Built in Method List
11/03/2019	Monday	03 pm to 5 pm	Dictionaries/Built in method Dictionaries
12/03/2019	Tuesday	03 pm to 5 pm	Tuples/Tuples vs Dictionaries
13/03/2019	Wednesday	03 pm to 5 pm	Object Oriented Programming
14/03/2019	Thursday	03 pm to 5 pm	Special functions in Python
15/03/2019	Friday	03 pm to 5 pm	Basic NumPy/Pandas/Matplotlib
16/03/2019	Saturday	03 pm to 5 pm	SQLite database
18/03/2019	Monday	03 pm to 5 pm	Data Visualization using Plotly



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ATTENDANCE SHEET

TOPIC NAME :-PYTHON DEVELOPER

Academic Year:-2018-2019

Period Form To 01/03/2019 To 18/03/2019

Roll No	Name of Student	Date															% Of Attendance	
		01-03-2019	02-03-2019	04-03-2019	05-03-2019	06-03-2019	07-03-2019	08-03-2019	09-03-2019	11-03-2019	12-03-2019	13-03-2019	14-03-2019	15-03-2019	16-03-2019	18-03-2019		
1	ATOLE SWAPNALI RAVINDRA	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	
2	INDURE ANIKET PRAKASH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	
3	KALE PRAGATI NAMDEO	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	
4	MORE SHWETA MOHAN	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	
5	RUPNAWAR ANIKET CHANDRASHEKHAR	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	
6	SHELKE PRAVIN SANJAY	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	
7	FARGADE SHUBHAM BHAUSAHEB	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	
8	KUTE SNEHA AVINASH	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	Present	



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9	DHUMAL ABHIJEET RAMESH	Ramesh	Ramesh	Ramesh	Ramesh	Ramesh	Ramesh	Ramesh	Ramesh	Ramesh	Ramesh	Ramesh	Ramesh	Ramesh	Ramesh	Ramesh	Ramesh	Ramesh	Ramesh
10	NAZARKAR SHITAL BALASO	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital	Shital
11	TARANGE POONAM PANDURANG	Poonam	Poonam	Poonam	Poonam	Poonam	Poonam	Poonam	Poonam	Poonam	Poonam	Poonam	Poonam	Poonam	Poonam	Poonam	Poonam	Poonam	Poonam
12	SHINDE RESHMA BAPU	Reshma	Reshma	Reshma	Reshma	Reshma	Reshma	Reshma	Reshma	Reshma	Reshma	Reshma	Reshma	Reshma	Reshma	Reshma	Reshma	Reshma	Reshma
13	ANKUSHE AKASH BHAGWAT	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash	Akash
14	BENDRE SIDHANT PRAMOD	Sidhant	Sidhant	Sidhant	Sidhant	Sidhant	Sidhant	Sidhant	Sidhant	Sidhant	Sidhant	Sidhant	Sidhant	Sidhant	Sidhant	Sidhant	Sidhant	Sidhant	Sidhant
15	DHAYGUDE DATTATRAY UDDHAV	DTE	DTE	DTE	DTE	DTE	DTE	DTE	DTE	DTE	DTE	DTE	DTE	DTE	DTE	DTE	DTE	DTE	DTE
16	DEDE SONAL DIGAMBAR	Sonal	Sonal	Sonal	Sonal	Sonal	Sonal	Sonal	Sonal	Sonal	Sonal	Sonal	Sonal	Sonal	Sonal	Sonal	Sonal	Sonal	Sonal
17	RANDIVE SANJIVAN BALU	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB	RSB
18	GAVLI PRANITA VASANT	Pranita	Pranita	Pranita	Pranita	Pranita	Pranita	Pranita	Pranita	Pranita	Pranita	Pranita	Pranita	Pranita	Pranita	Pranita	Pranita	Pranita	Pranita
19	MHETRE KOMAL VITTHAL	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal
20	RANAWARE KOMAL RAMBHAU	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal	Komal
21	KUMATKAR PRAGATI BHASKAR	KPB	KPB	KPB	KPB	KPB	KPB	KPB	KPB	KPB	KPB	KPB	KPB	KPB	KPB	KPB	KPB	KPB	KPB
22	SHITOLE SWARALI GOVINDRAO	Swarali	Swarali	Swarali	Swarali	Swarali	Swarali	Swarali	Swarali	Swarali	Swarali	Swarali	Swarali	Swarali	Swarali	Swarali	Swarali	Swarali	Swarali
23	GIRAMKAR ARCHANA	GIR	GIR	GIR	GIR	GIR	GIR	GIR	GIR	GIR	GIR	GIR	GIR	GIR	GIR	GIR	GIR	GIR	GIR

**Dattakala Group of Institution's
Faculty of Engineering**

CERTIFICATE

This is to certify that Mr./Miss/Mrs.

ATOLE SWAPNALI RAVINDRA

*Studying in **Computer Engineering** branch has been Participated in value added Program **PYTHON DEVELOPER** held in Academic year 2018-2019*


COORDINATOR




PRINCIPAL

**Dattakala Group of Institution's
Faculty of Engineering**

CERTIFICATE

This is to certify that Mr./Miss/Mrs.

INDURE ANIKET PRAKASH

*Studying in **Computer Engineering** branch has been Participated in value
added Program **PYTHON DEVELOPER** held in Academic year 2018-2019*


COORDINATOR




PRINCIPAL

Dattakala Group of Institution's
Faculty of Engineering

CERTIFICATE

This is to certify that Mr./Miss/Mrs.

Kale Pragati Namdeo

Studying in Computer Engineering branch has been Participated in value added Program PYTHON DEVELOPER held in Academic year 2018-2019

Edwep
COORDINATOR



PRINCIPAL

Dattakala Group of Institution's
Faculty of Engineering

CERTIFICATE

This is to certify that Mr./Miss/Mrs.

More Shweta Mohan

Studying in Computer Engineering branch has been Participated in value added Program PYTHON DEVELOPER held in Academic year 2018-2019

Shuge
COORDINATOR



Sh
PRINCIPAL

**Dattakala Group of Institution's
Faculty of Engineering**

CERTIFICATE

This is to certify that Mr./Miss/Mrs.

Rupnawar Aniket Chandrashekhar

*Studying in **Computer Engineering** branch has been Participated in value added Program **PYTHON DEVELOPER** held in Academic year 2018-2019*


COORDINATOR




PRINCIPAL



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Date:-27/02/2019

Request Letter

To
The Principal,
Dattakala Group of Institutions,
Swami Chincholi, Dist- Pune.

Subject: - Request to allow conducting **PLC PROGRAMING** for the students.

Respected Sir,

With reference to the above subject, we want to start the **PLC PROGRAMING** for the students. The tenure of the program is 30 hrs. The certificate will be provided after successful completion of the course. Kindly grant permission for the same.

Thanks & Regards,



Edsfebr
Head **H.O.D.**
Electrical Engineering
Dattakala Group of Institutions
Faculty of Engineering
Swami-Chincholi, Tal. Daund, Dist. Pune, 413130



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Date: -27/02/2019

Circular

All the students are hereby informed that the Institute is planning to conduct a, **PLC PROGRAMING** on the following topic for the academic Session 2018-2019.

The details are as:

Sr.No.	Value-Added Program	Name Program Coordinator
1.	PLC PROGRAMING	PROF.P. P RAWALE

The **PLC PROGRAMING** is of 30 hrs. duration. Interested students are requested to register for **PLC PROGRAMING** at earliest. Students who completed the courses successfully with a 65% score only get a certificate from the institute.



Principal
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Name of the Program: PLC PROGRAMING**Session: 15****Duration: 30 Hrs.****Class: All FE To ME****Syllabus & Course Content**

Sr. No.	Course Content
01	Introduction to Logic Circuit: Logic Gates, Numbering System.
02	Interfacing Peripheral Chîps: F.F., Registers, Tristate Buffers, Latches, Decoders, Memory
03	Introduction to PLC: Microprocessor, I/O Ports, Isolation, Filters, Drivers, Microcontrollers/DSP, PLC/DDC.
04	PLC Construction: What is a PLC, Why preferring PLC, PLC Memories, PLC I/O,
05	PLC Basic Instructions: PLC Ladder Language, Ladder/Instruction List, PLC Basic Instructions, Basic Examples (Start Stop Rung, Entry/Reset Rung).
06	Process Control Problems Classification: Types of Process Control, Interlock control definition, Sequential control definition, Random control definition, Interlock control examples.
07	Timers and Counters: Timers, Counters, Examples.
08	Word and Branching Instruction: Data Handling Instruction, Arithmetic Instruction, PLC Internal Facilities, Logic Instruction, I/O Instruction, Program Control Instruction.
09	Sensors, Switches, Solid State Relays.
10	Sequential Process Control: Sequential control, Sequential control examples
11	Application Examples of Sequential Industrial Proble

Pawel
Program Coordinator



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Schedule For PLC PROGRAMING (Electrical Engg. Dept.)

Date	Days	Time	Course Content
01/03/2019	Friday	03 pm to 5 pm	Binary Systems Boolean Algebra and Logic Gates
02/03/2019	Saturday	03 pm to 5 pm	Synchronous Sequential Logic Registers, Counters and the Memory
04/03/2019	Monday	03 pm to 5 pm	Introduction to PLC Control Systems and Automation
05/03/2019	Tuesday	03 pm to 5 pm	Fundamentals of PLC Logic Programming
06/03/2019	Wednesday	03 pm to 5 pm	Introduction to PLC Control Systems and Automation
07/03/2019	Thursday	03 pm to 5 pm	What is a PLC PLC Software
08/03/2019	Friday	03 pm to 5 pm	Introduction Ladder Logic Functions
09/03/2019	Saturday	03 pm to 5 pm	Experiments
11/03/2019	Monday	03 pm to 5 pm	Latches, Timers, Counters and more.
12/03/2019	Tuesday	03 pm to 5 pm	Ladder Logic Functions
13/03/2019	Wednesday	03 pm to 5 pm	Logical Sensors
14/03/2019	Thursday	03 pm to 5 pm	Experiments Part -1
15/03/2019	Friday	03 pm to 5 pm	Experiments Part -2
16/03/2019	Saturday	03 pm to 5 pm	Experiments Part -3
18/03/2019	Wednesday	03 pm to 5 pm	Experiments Part -4



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ATTENDANCE SHEET																		
TOPIC NAME :- PLC PROGRAMING																		
Academic Year:-2018-2019																		
Period Form To 01/03/2019 To 18/03/2019																		
Roll No	Name of Student	Date	01-03-2019	02-03-2019	04-03-2019	05-03-2019	06-03-2019	07-03-2019	08-03-2019	09-03-2019	11-03-2019	12-03-2019	13-03-2019	14-03-2019	15-03-2019	16-03-2019	18-03-2019	% Of Attendance
		L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15		
1	Abanawe Mayuri Keru	Kerum	Kerum	Kerum	Kerum	Kerum	Kerum	Kerum	Kerum	Kerum	Kerum	Kerum	Kerum	Kerum	Kerum	Kerum	Kerum	
2	Kolekar Sagar Rajendra	Solekar	Solekar	Solekar	Solekar	Solekar	Solekar	Solekar	Solekar	Solekar	Solekar	Solekar	Solekar	Solekar	Solekar	Solekar	Solekar	
3	Pawar Chetan Harishchandra	Chp	Chp	Chp	Chp	Chp	Chp	Chp	Chp	Chp	Chp	Chp	Chp	Chp	Chp	Chp	Chp	
4	Kale Apeksha Ravindra	Kale	Kale	Kale	Kale	Kale	Kale	Kale	Kale	Kale	Kale	Kale	Kale	Kale	Kale	Kale	Kale	
5	Khade Aniket Lahuchand	Anil	Anil	Anil	Anil	Anil	Anil	Anil	Anil	Anil	Anil	Anil	Anil	Anil	Anil	Anil	Anil	
6	Chavan Digambar Dattatray	Kade	Kade	Kade	Kade	Kade	Kade	Kade	Kade	Kade	Kade	Kade	Kade	Kade	Kade	Kade	Kade	
7	Nangare Ganesh Bapu	Nangare	Nangare	Nangare	Nangare	Nangare	Nangare	Nangare	Nangare	Nangare	Nangare	Nangare	Nangare	Nangare	Nangare	Nangare	Nangare	
8	Deokate Ganesh Ramesh	Gp	Gp	Gp	Gp	Gp	Gp	Gp	Gp	Gp	Gp	Gp	Gp	Gp	Gp	Gp	Gp	
9	Hole Shubham Sanjay	Shole	Shole	Shole	Shole	Shole	Shole	Shole	Shole	Shole	Shole	Shole	Shole	Shole	Shole	Shole	Shole	



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10	Chormale Vishal Uddhav	Chor	Chor	Chor	Chor	Chor	Chor	Chor	Chor	Chor	Chor	Chor	Chor	Chor	Chor	Chor	Chor	Chor
11	Sangale Sandip Shivaji	Sandip	Sandip	Sandip	Sandip	Sandip	Sandip	Sandip	Sandip	Sandip	Sandip	Sandip	Sandip	Sandip	Sandip	Sandip	Sandip	Sandip
12	Shinde Sagar Pratap	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP
13	Bhise Chandrakant Vitthal	Bhise	Bhise	Bhise	Bhise	Bhise	Bhise	Bhise	Bhise	Bhise	Bhise	Bhise	Bhise	Bhise	Bhise	Bhise	Bhise	Bhise
14	Kapase Bharat Pandurang	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP	BP
15	Yadav Tushar Pradip	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav	Yadav
16	Bhosale Sidharth Bhaskar	Sid	Sid	Sid	Sid	Sid	Sid	Sid	Sid	Sid	Sid	Sid	Sid	Sid	Sid	Sid	Sid	Sid
17	Jadhav Mahesh Tukaram	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav	Jadhav
18	Shinde Sachin Sopan	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde	Shinde
19	Kokane Kiran Kisan	KK	KK	KK	KK	KK	KK	KK	KK	KK	KK	KK	KK	KK	KK	KK	KK	KK
20	Bhale Sachin Vitthal	Bhale	Bhale	Bhale	Bhale	Bhale	Bhale	Bhale	Bhale	Bhale	Bhale	Bhale	Bhale	Bhale	Bhale	Bhale	Bhale	Bhale
21	Shaikh Sohelahamad Jainuddin	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
22	Hande Shrikant Bhagwat	Hande	Hande	Hande	Hande	Hande	Hande	Hande	Hande	Hande	Hande	Hande	Hande	Hande	Hande	Hande	Hande	Hande
23	Madane Pravin Suresh	Madane	Madane	Madane	Madane	Madane	Madane	Madane	Madane	Madane	Madane	Madane	Madane	Madane	Madane	Madane	Madane	Madane
24	Narsale Yashwant Navnath	Narsale	Narsale	Narsale	Narsale	Narsale	Narsale	Narsale	Narsale	Narsale	Narsale	Narsale	Narsale	Narsale	Narsale	Narsale	Narsale	Narsale
25	Mutekar Nitin Ashok	Mutekar	Mutekar	Mutekar	Mutekar	Mutekar	Mutekar	Mutekar	Mutekar	Mutekar	Mutekar	Mutekar	Mutekar	Mutekar	Mutekar	Mutekar	Mutekar	Mutekar



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| DTE Code: 6628 | MSBTE Code: 1712 | AICTE ID: 1-5986711 | AISHE Code: C-44576 |

26	Ghadage Abhijeet Tulshiram	Abhijeet	Abhijeet	Abhijeet	Abhijeet	Abhijeet	Abhijeet	Abhijeet	Abhijeet	Abhijeet	Abhijeet	Abhijeet	Abhijeet	Abhijeet	Abhijeet	Abhijeet	Abhijeet	Abhijeet
27	Kharat Sourabh Prashant	Sourabh	Sourabh	Sourabh	Sourabh	Sourabh	Sourabh	Sourabh	Sourabh	Sourabh	Sourabh	Sourabh	Sourabh	Sourabh	Sourabh	Sourabh	Sourabh	Sourabh
28	Chauhan Rakesh Swaminath	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh	Rakesh
29	Dhavade Akshay Shivdas	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay	Akshay
30	More Amol Rajendra	Amol	Amol	Amol	Amol	Amol	Amol	Amol	Amol	Amol	Amol	Amol	Amol	Amol	Amol	Amol	Amol	Amol
31	Nahane Somata Mohan	Somata	Somata	Somata	Somata	Somata	Somata	Somata	Somata	Somata	Somata	Somata	Somata	Somata	Somata	Somata	Somata	Somata
32	Pawar Gorakhnath Machindranath	Gorakhnath	Gorakhnath	Gorakhnath	Gorakhnath	Gorakhnath	Gorakhnath	Gorakhnath	Gorakhnath	Gorakhnath	Gorakhnath	Gorakhnath	Gorakhnath	Gorakhnath	Gorakhnath	Gorakhnath	Gorakhnath	Gorakhnath
33	Walke Dnyaneshwar Balasaheb	Dnyaneshwar	Dnyaneshwar	Dnyaneshwar	Dnyaneshwar	Dnyaneshwar	Dnyaneshwar	Dnyaneshwar	Dnyaneshwar	Dnyaneshwar	Dnyaneshwar	Dnyaneshwar	Dnyaneshwar	Dnyaneshwar	Dnyaneshwar	Dnyaneshwar	Dnyaneshwar	Dnyaneshwar
34	Kadam Om Radhesham	Om	Om	Om	Om	Om	Om	Om	Om	Om	Om	Om	Om	Om	Om	Om	Om	Om
35	Chikane Rohit Jagannath	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit	Rohit
36	Dhage Pratik Vijay	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik	Pratik
37	Dhapte Lahu Bharat	Lahu	Lahu	Lahu	Lahu	Lahu	Lahu	Lahu	Lahu	Lahu	Lahu	Lahu	Lahu	Lahu	Lahu	Lahu	Lahu	Lahu
38	Dhaytonde Shekhar Balaso	Shekhar	Shekhar	Shekhar	Shekhar	Shekhar	Shekhar	Shekhar	Shekhar	Shekhar	Shekhar	Shekhar	Shekhar	Shekhar	Shekhar	Shekhar	Shekhar	Shekhar
39	Shaikh Shahrukh Maheeb	Shahrukh	Shahrukh	Shahrukh	Shahrukh	Shahrukh	Shahrukh	Shahrukh	Shahrukh	Shahrukh	Shahrukh	Shahrukh	Shahrukh	Shahrukh	Shahrukh	Shahrukh	Shahrukh	Shahrukh
40	Taware Mayur Subhash	Mayur	Mayur	Mayur	Mayur	Mayur	Mayur	Mayur	Mayur	Mayur	Mayur	Mayur	Mayur	Mayur	Mayur	Mayur	Mayur	Mayur
41	Ghogare Rohan Prakash	Rohan	Rohan	Rohan	Rohan	Rohan	Rohan	Rohan	Rohan	Rohan	Rohan	Rohan	Rohan	Rohan	Rohan	Rohan	Rohan	Rohan

541/2, 527, Off Pune-Solapur Highway, Swami-Chincholi (Bhigwan), Tal - Daund, Dist. - Pune 413130, Maharashtra

| Email: dkgoi@dattakala.edu.in | Web: www.dattakala.edu.in | Contact No. 9673002923, 9673400500 | For More Information: 9673002929 |



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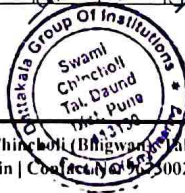
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42	Mane Sagar Shankar	Sagar	Sagar	Sagar	Sagar	Sagar	Sagar	Sagar	Sagar	Sagar	Sagar	Sagar	Sagar	Sagar	Sagar	Sagar	Sagar
43	Gurav Sumit Purushottam	SGP	SGP	SGP	SGP	SGP	SGP	SGP	SGP	SGP	SGP	SGP	SGP	SGP	SGP	SGP	SGP
44	Atole Mayura Sunil	Mtole	Mtole	Mtole	Mtole	Mtole	Mtole	Mtole	Mtole	Mtole	Mtole	Mtole	Mtole	Mtole	Mtole	Mtole	Mtole
45	Biradar Krushna Ram	BR	BR	BR	BR	BR	BR	BR	BR	BR	BR	BR	BR	BR	BR	BR	BR
46	Lomate Pratibha Hanumant	Pu	Pu	Pu	Pu	Pu	Pu	Pu	Pu	Pu	Pu	Pu	Pu	Pu	Pu	Pu	Pu
47	Supekar Swapnil Narayan	Swap	Swap	Swap	Swap	Swap	Swap	Swap	Swap	Swap	Swap	Swap	Swap	Swap	Swap	Swap	Swap
48	Jamadade Rahul Balu	Ri	Ri	Ri	Ri	Ri	Ri	Ri	Ri	Ri	Ri	Ri	Ri	Ri	Ri	Ri	Ri
49	Devkate Sambhaji Dinkar	Sam	Sam	Sam	Sam	Sam	Sam	Sam	Sam	Sam	Sam	Sam	Sam	Sam	Sam	Sam	Sam
50	Dhande Anil Subhash	Anil	Anil	Anil	Anil	Anil	Anil	Anil	Anil	Anil	Anil	Anil	Anil	Anil	Anil	Anil	Anil
51	Kale Vaibhav Chandrakant	Vkale	Vkale	Vkale	Vkale	Vkale	Vkale	Vkale	Vkale	Vkale	Vkale	Vkale	Vkale	Vkale	Vkale	Vkale	Vkale
52	Savant Samadhan Gahininath	Sav	Sav	Sav	Sav	Sav	Sav	Sav	Sav	Sav	Sav	Sav	Sav	Sav	Sav	Sav	Sav
53	Kashid Pritesh Baburao	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
54	Jagtap Vrushali Balaso	Vu	Vu	Vu	Vu	Vu	Vu	Vu	Vu	Vu	Vu	Vu	Vu	Vu	Vu	Vu	Vu
55	Dardare Sunil Nanaso	SD	SD	SD	SD	SD	SD	SD	SD	SD	SD	SD	SD	SD	SD	SD	SD
56	Thorat Ganesh Uttam	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG	TG

Program Co-ordinator



Printerpati
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Faculty of Engineering

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CERTIFICATE

This is to certify that Mr./Miss

Abanawe Mayuri Keru

*Studying in Electrical Engineering branch has been Participated in
value added Program PLC PROGRAMING held in Academic year 2018-2019*

Ravale
COORDINATOR



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Kale Apeksha Ravindra

*Studying in **Electrical Engineering** branch has been Participated in
value added Program **PLC PROGRAMING** held in Academic year 2018-2019*

Ravindak
COORDINATOR



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Khade Aniket Lahuchand

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value added Program **PLC PROGRAMING** held in Academic year 2018-2019*

Rawal
COORDINATOR



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Kolekar Sagar Rajendra

*Studying in Electrical Engineering branch has been Participated in
value added Program PLC PROGRAMING held in Academic year 2018-2019*

Sawade
COORDINATOR



A
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This is to certify that Mr./Miss

Pawar Chetan Harishchandra

*Studying in **Electrical Engineering** branch has been Participated in
value added Program **PLC PROGRAMING** held in Academic year 2018-2019*

Pawale
COORDINATOR



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Date: -26/06/2018

Request Letter

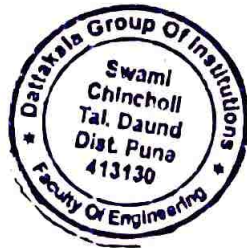
To
The Principal,
Dattakala Group of Institutions,
Swami Chincholi, Dist- Pune.

Subject: - Request to allow conducting **DC DRIVE INDUSTRIAL APPLICATION** Program for the students.

Respected Sir,

With reference to the above subject, we want to start the **DC DRIVE INDUSTRIAL APPLICATION** for the students. The tenure of the program is 30 hrs. The certificate will be provided after successful completion of the course. Kindly grant permission for the same.

Thanks & Regards,



VS
Head of Department
E & TC Dept.
Dattakala Group of Institutions,
Faculty of Engineering,
Swami-Chincholi, Tal. Daund, Dist. Pune-413130.



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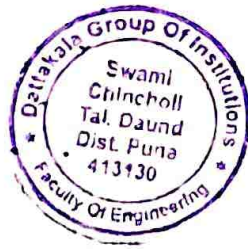
Circular

All the students are hereby informed that the Institute is planning to conduct a, **DC DRIVE INDUSTRIAL APPLICATION** on the following topic for the academic Session 2018-2019

The details are as:

Sr.No.	Value-Added Program	Name Program Coordinator
1.	DC DRIVE INDUSTRIAL APPLICATION	PROF.V. P. SASE

The **DC DRIVE INDUSTRIAL APPLICATION** is of 30 hrs duration. Interested students are requested to register for **DC DRIVE INDUSTRIAL APPLICATION** at earliest. Students who completed the courses successfully with a 65% score only get a certificate from the institute.




Principal

Dattakala Group of Institutions
Faculty of Engineering
Swami-Chincholi, Tal-Daund, Dist-Pune 413130



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Name of the Program: DC DRIVE INDUSTRIAL APPLICATION

Session: 15

Duration: 30 Hrs

Class: All FE To BE

Syllabus & Course Content

Sr. No.	Course Content
01	CONTROL OF DC MOTORS BY SINGLE Introduction to Thyristor controlled Drives, Single Phase SOTORS BY SINGLE PHASE CONVERTERS: Introduction separately excited and D.C series motors - continuous current Snoted and Torque expressions - Speed operations foblems on Converter fed D.C motors output voltage and current waveforms-
02	CONTROL OF DC MÓTORS BY THREE PHASE CONVERTERS Three phase semi and fully controlled Curteriters connected to D.C. sepASE CONVERTERS: Three photo output voltage and current waveforms-Speed and fparately excited and DC series moaracteristics - Problems.
03	FOUR QUADRANT OPERATION OF DE DRIVES: Introduction to Four quadrant operation Motoring operations, Electric Braking - Plugging, Dynamic and Regenerative Braking operations. Four quadrant operation of DC motors by dual converters Closed loop operation of DC motor (Block Diagram Only)
04	CONTROL OF DC MQTORS BY CHOPPERS: Single quadrant, Two-quadrant and four quadrant chopper fed de separately excited and series excited motors - Continuous current operation- Output voltage and current wave forms-Speed torque expressions-speed torque characteristics - Problems on Chopper fed DC Motors-Closed Loop operation (Block Diagram Only)
05	CONTROL OF INDUCTION MOTOR THROUGH STATOR VOLTAGE AND STATOR FREQUENCY: Variable voltage characteristics Control of induction Motor by AC Voltage Controllers Waveforms-speed torque characteristics Variable frequency characteristics-Variable frequency control of induction motor by Voltage source and current source Inverter and Cycloconverter PWM Control-Comparison of VSI and CSI



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	operations-Speed torque characteristics - numerical problems on induction motor drives - Closed loop operation of induction motor drives (Block Diagram Only)
06	CONTROL OF SYNCHRONOUS MOTORS AND INDUCTION MOTOR FROM ROTOR SIDE Static rotor resistance control - Slip power recovery-Static Scherbius drive - Static Kramer Drive - their performance and speed torque characteristics - advantages applications - problems. Separate control & self-control of synchronous motors-Operation of self-controlled synchronous motors by VLS &CSI cycloconverter load commutated CSI fed synchronous motor- operation - waveforms - speed torque operation by synchronous motor drives (Block digram Only) variable frequency control, cycloconverter,PW,VSI CSI



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Schedule For DC DRIVE INDUSTRIAL APPLICATION (E & Tc. Engg. Dept.)

Date	Days	Time	Course Content
02/07/2018	Monday	03 pm to 5 pm	Introduction to Thyristor controlled Drives, Single Phase SOTORS BY SINGLE PHASE CONVERTERS: Introduction separately excited and D.C series motors - continuous current Snoted and Torque expressions
03/07/2018	Tuesday	03 pm to 5 pm	Speed operations foblems on Converter fed D.C motors output voltage and current waveforms-
04/07/2018	Wednesday	03 pm to 5 pm	Three phase semi and fully controlled Curteriters connected to D.C. sepASE CONVERTERS: Three photo output voltage and current waveforms-
05/07/2018	Thursday	03 pm to 5 pm	waveforms-Speed and fparately excited and DC series moaracteristics - Problems.
06/07/2018	Friday	03 pm to 5 pm	Introduction to Four quadrant operation Motoring operations, Electric Braking - Plugging, Dynamic and Regeænerative Braking operations.
07/07/2018	Saturday	03 pm to 5 pm	Four quadrant operation of DC motors by dual converters Closed loop operation of DC motor (Block Diagram Only)
09/07/2018	Monday	03 pm to 5 pm	Single quadrant, Two-quadrant and four quadrant choppers fed de separately excited and series excited motors - Continuous current operation-
10/07/2018	Tuesday	03 pm to 5 pm	Output voltage and current wave forms-Speed torque expressions-speed torque characteristics - Problems on Chopper fed DC Motors-Closed Loop operation (Block Diagram Only)
11/07/2018	Wednesday	03 pm to 5 pm	Variable voltage characteristics Control of induction Motor by AC Voltage Controllers Waveforms-speed torquê characteristics Variable frequency characteristics
12/07/2018	Thursday	03 pm to 5 pm	Variable frequency control of induction motor by Voltage source and current source Inverter and Cycloconverter PWM control
13/07/2018	Friday	03 pm to 5 pm	Comparison of VSI and CSi operations-Speed torque characteristics - numerical problems on induction



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			motor drives - Closed loop operation of induction motor drives (Block Diagram Only)
14/07/2018	Saturday	03 pm to 5 pm	Static rotor resistance control - Slip power recovery- Static Scherbius drive - Static Kramer Drive - their performance and speed torque characteristics - advantages applications - problems
16/07/2018	Monday	03 pm to 5 pm	problems. Separate control & self-control of synchronous motors-Operation of self-controlled synchronous motors by VLS &CSI
17/07/2018	Tuesday	03 pm to 5 pm	cycloconverter load commutated CSI fed synchronous motor- operation - waveforms - speed torque operation by synchronous motor drives (Block diagram Only)
18/07/2018	Wednesday	03 pm to 5 pm	variable frequency control, cycloconverter, PW, VSI CSI


Program Co Ordinator



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ATTENDANCE SHEET

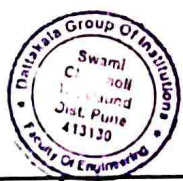
TOPIC NAME :- DC DRIVE INDUSTRIAL APPLICATION

Academic Year:-2018-2019

Period Form To 02/07/2018 To 18/07/2018

Roll No	Name of Student	Date															% Of Attendance
		02-07-2018	03-07-2018	04-07-2018	05-07-2018	06-07-2018	07-07-2018	09-07-2018	10-07-2018	11-07-2018	12-07-2018	13-07-2018	14-07-2018	16-07-2018	17-07-2018	18-07-2018	
		L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	
1	Kalbhor Namrata Somnath	Namrata	Namrata	Namrata	Namrata	Namrata	Namrata	Namrata	Namrata	Namrata	Namrata	Namrata	Namrata	Namrata	Namrata	Namrata	
2	Sumar Sujay Dnyanoba	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	ES	
3	Chipade Mayuri Jalindar	MAT	MAT	MAT	MAT	MAT	MAT	MAT	MAT	MAT	MAT	MAT	MAT	MAT	MAT	MAT	
4	Hole Anjali Ankush	Able	Able	Able	Able	Able	Able	Able	Able	Able	Able	Able	Able	Able	Able	Able	A
5	Kale Kalyani Kashinath	Kale	Kale	Kale	Kale	Kale	Kale	Kale	Kale	Kale	Kale	Kale	Kale	Kale	Kale	Kale	
6	Nayab Sonam Ravishankar	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	

Program Co Ordinator



Principal
Dattakala Group of Institutions
Faculty of Engineering
Swami-Chincholi, Tal-Daund, Dist-Pune 413130

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CERTIFICATE

This is to certify that Mr./Miss/Mrs.

Chipade Mayuri Jalindar

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Hole Anjali Ankush

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Kalbhor Namrata Somnath

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This is to certify that Mr./Miss/Mrs.

Surnar Sujay Dnyanoba

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Kale Kalyani Kashinath

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