

Name of the course: **IMAGE AND VIDEO PROCESSING USING PYTHON**

Course code if any: **18VAC10**

Number of times offered during the same year: 1

Duration of the course: 30 Hrs

Number of students enrolled: 40

Number of students completed: 40

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE – 638060


DEPARTMENT OF INFORMATION TECHNOLOGY

Circular

Date: 20.12.2020

One Credit Course on “18VAC10 - Image and Video processing using Python”

Our department has planned to conduct a One Credit Course on "18VAC10 - Image and Video processing using Python" during this semester. In connection to this, the interested students are requested to enrol their details to concern faculty in-charge on or before 25.12.2020. The course will be handled by an expert from Industry.


Faculty In-charge
Dr.P.Suresh
Mr.K.Logeswaran

 20.12.2020
HOD/IT

To:

- 1.All HODs(To circulate among students)
- 2.File

KONGU ENGINEERING COLLEGE
PERUNDURAI ERODE-638060
(AUTONOMOUS)

18/06/12

DEPARTMENT OF INFORMATION TECHNOLOGY

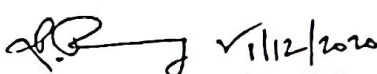
Date: 01.12.2020

NOTE SUBMITTED TO PRINCIPAL FOR APPROVAL


Sub: Request for permission to conduct one/two credit course – reg.

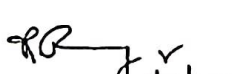
1.	Academic Year	:	2020-21	Semester : ODD			
2.	Course Title	:	Image and Video Processing using Python	Credit(s): One /Two			
3.	Type of Course	:	Already Offered Course / Updated-Course / New-Course 18 V/AC 10				
	• If "Already offered course",	:	Course Code: Version: --				
4.	Course Coordinator(s)	:	1.Dr.P.Suresh, Associate Professor/IT 2.Mr.K.Logeswaran, Assistant Professor (Sr.G)/IT				
5.	Course offered by	:	Internal-faculty / External experts				
6.	Name and designation of external resource persons	:	Mr.M.Hariharan Software Developer				
7.	Details about external organization	:	JCluster Software Solutions, Omalur Main Road, Peramanur, Salem – 636007.				
8.	Course fee for external experts		Max. number of students/Batch			Course fee / student (Rs.)	
	Rs. 4000 (Rs.100 × 40 students)		40			100	
9.	No. of days	Period		No. of hours			Venue
		From	To	Lecture	Practical	Total	
	10	02.12.2020	13.12.2020	10	10	20	Online mode
10.	Pre-requisites for offering the course	:	Basics of Programming (C/C++/Python)				
11.	Course offered to	:	Programme	Branch		Year/Semester	
			BTech	IT		III / V	

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12.	Course Main Contents	:	Day 1	Introduction to Image processing, Image Acquisition		
			Day 2	Image Enhancement, Image Restoration		
			Day 3	Color Image Processing, Multi-Resolution Processing		
			Day 4	Compression, Morphological Processing, Segmentation		
			Day 5	Representation and Description, Feature Matching, Recognition		
			Day 6	Video Analysis: Adaptive Threshold, Video Smoothing		
			Day 7	Edge and Motion Detection, Bitwise Operations		
			Day 8	Super Impose, Contour		
			Day 9	Face Detection		
			Day 10	Background Subtraction, Extraction of images from video		
			Assignment / Project / Case Study/Others: Development of a computer vision project for real time application			
		13.	Course Outcomes	:	After completing the course the student will be able to: <ul style="list-style-type: none">• Understand basic properties of image and video• Demonstrate image analysis using Python• Implement python libraries for video analysis	
14.	Course Assessment (Min. 2)	:	S. No.	Type	Max. Marks	
			1	Objective Type Questions	50	
			2	Descriptive Questions/ Programs	50	
			Total		100 Marks	
15.	Verified that the content of this course is not offered to students partially/fully in regular curriculum of respective programme of the student. Certify that the course content, credits and grade are approved in the BOS meeting or approved by internal BOS members and will be ratified in the next BOS meeting				 (Signature of the HoD after verification)	
16.	Any other details	:				

The above proposal may kindly be approved.


 Course Coordinator(s)
 Dr. P. Suresh


 HOD


 Chief Coordinator/Academic


 Principal

Encl:

1. Copy of the syllabus of the course
2. Financial proposal from the external organization (if any)

DEPARTMENT OF INFORMATION TECHNOLOGY

Consolidated Attendance Report

1 CREDIT COURSE 2020-21(Odd Sem)

18VAC10-IMAGE AND VIDEO PROCESSING USING PYTHON

CLASS : III yr IT - A & B (V sem)

Faculty Incharge: Dr. P.Suresh,

Mr. K. Logeswaran

S. No	Roll No	Student Name	Total no of Hrs	No of hrs Absent	No of hrs Present	% of Attendance
1	18ITL120	SOWMIYA P	22	5	17	77.27
2	18ITL117	HARIPRASANTH D	22	2	20	90.91
3	18ITR001	ABINASH M	22	2	20	90.91
4	18ITR004	AJAY K	22	1	21	95.45
5	18ITR008	ARAVIND S	22	4	18	81.82
6	18ITR010	ASWANTH P	22	6	16	72.73
7	18ITR012	AYESHA HOWLA J	22	4	18	81.82
8	18ITR014	CHINDHANA S	22	0	22	100.00
9	18ITR015	DEEPAK KUMAR P K	22	2	20	90.91
10	18ITR017	DEVA DHARSHINI B	22	1	21	95.45
11	18ITR018	DHARANI S	22	2	20	90.91
12	18ITR019	DHARSHINI.T.V	22	0	22	100.00
13	18ITR020	DINESH A (KWT)	22	3	19	86.36
14	18ITR021	DINESH KUMAR.S	22	4	18	81.82
15	18ITR022	DINESH.R	22	0	22	100.00
16	18ITR027	GOPIKA T	22	3	19	86.36
17	18ITR030	GURUDHARSHINI B	22	3	19	86.36
18	18ITR031	HARI RITHANYA M	22	1	21	95.45
19	18ITR032	HARI SANJAY E	22	1	21	95.45
20	18ITR033	HARIHARAN S	22	6	16	72.73
21	18ITR038	ISWARYA.M	22	6	16	72.73
22	18ITR039	JANANI C K	22	4	18	81.82
23	18ITR042	KALKI ARUN	22	6	16	72.73
24	18ITR044	KAYALVIZHI N	22	1	21	95.45
25	18ITR052	MOHAMED ZUHAIRI.A	22	0	22	100.00
26	18ITR053	MOHAN CHANDRU G	22	2	20	90.91
27	18ITR054	MOHANRAM S D	22	0	22	100.00
28	18ITR055	MONAA S V	22	1	21	95.45
29	18ITR056	MONISS P	22	5	17	77.27
30	18ITR057	MOUNISUHITHA K	22	3	19	86.36
31	18ITR061	NIKILESH A	22	0	22	100.00
32	18ITR064	NITHIN K	22	0	22	100.00
33	18ITR073	PRASHANTH E G	22	0	22	100.00
34	18ITR075	PRAVIN D	22	0	22	100.00
35	18ITR079	RAMKISHORE D	22	0	22	100.00
36	18ITR082	RITHIK S	22	2	20	90.91
37	18ITR095	SNEHA G	22	4	18	81.82
38	18ITR096	SNEHARATHNA V	22	0	22	100.00
39	18ITR107	THARANIES.K.P	22	0	22	100.00
40	18ITR115	YOGAVELU P	22	2	20	90.91

K. Logeswaran [K. Logeswaran]

P. Suresh
Faculty Incharge (Dr. P. Suresh)

P. Suresh
HoD / IT

KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE - 638060

DEPARTMENT OF INFORMATION TECHNOLOGY

One Credit Course - Mark Statement

Course Code and Name: 18VAC10 & Image and Video Processing using Python

Branch & Semester : III IT & V Semester

Faculty Incharges: Dr.P.Suresh & Mr.K.Logeswaran

S.No	Roll Number	Name of the Student	Test 1 (50)	Test 2 (50)	Total (100)
1	18ITL117	HARIPRASANTH D	26	26	52
2	18ITL120	SOWMIYA P	38	24	62
3	18ITR001	ABINASH M	40	34	74
4	18ITR004	AJAY K	38	34	72
5	18ITR008	ARAVIND S	32	32	64
6	18ITR010	ASWANTH P	38	34	72
7	18ITR012	AYESHA HOWLA J	36	28	64
8	18ITR014	CHINDHANA S	38	36	74
9	18ITR015	DEEPAK KUMAR P K	40	32	72
10	18ITR017	DEVA DHARSHINI B	38	30	68
11	18ITR018	DHARANI S	40	32	72
12	18ITR019	DHARSHINI.T.V	42	38	80
13	18ITR020	DINESH A (KWT)	26	28	54
14	18ITR021	DINESH KUMAR S	34	34	68
15	18ITR022	DINESH R	42	38	80
16	18ITR027	GOPIKA T	34	36	70
17	18ITR030	GURUDHARSHINI B	40	36	76
18	18ITR031	HARI RITHANYA M	40	30	70
19	18ITR032	HARI SANJAY E	40	30	70
20	18ITR033	HARIHARAN S	34	34	68
21	18ITR038	ISWARYA M	36	16	52
22	18ITR039	JANANI C K	36	36	72
23	18ITR042	KALKI ARUN	40	32	72
24	18ITR044	KAYALVIZHI N	38	36	74
25	18ITR052	MOHAMED ZUHAIRI A	38	36	74

26	18ITR053	MOHAN CHANDRU G	36	36	72
27	18ITR054	MOHANRAM S D	32	34	66
28	18ITR055	MONAA S V	36	32	68
29	18ITR056	MONISS P	40	30	70
30	18ITR057	MOUNISUHITHA K	36	28	64
31	18ITR061	NIKILESH A	40	34	74
32	18ITR064	NITHIN K	36	36	72
33	18ITR073	PRASHANTH E G	38	34	72
34	18ITR075	PRAVIN D	44	38	82
35	18ITR079	RAMKISHORE D	42	38	80
36	18ITR082	RITHIK S	38	38	76
37	18ITR095	SNEHA G	38	30	68
38	18ITR096	SNEHARATHNA V	42	32	74
39	18ITR107	THARANIES.K.P	40	38	78
40	18ITR115	YOGAVELU P	38	30	68

P. Suresh 20.1.24
 K. Logeswaran 20.1.24
 Faculty Incharge (s)

Dr.P.Suresh
 Mr.K.Logeswaran

HoD/IT 20.1.24