



# A.V.C. COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi | Affiliated to Anna University, Chennai  
Re-Accredited by NAAC with 'B ++' Grade(2<sup>nd</sup> Cycle) | An ISO 9001:2015 Certified Institution

Mannampandal, Mayiladuthurai,

Nagapattinam District, Tamilnadu-609305



Estd: 1996

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### Development activities

S.No	Developmental Activities	Faculty/Resource person Involved	Purpose
1	College Website Hosting and Management	Mrs.R.Sudha	Updating of college website frequently
2	Attendance Management	Mrs.M.Devi Sri Nandhini	Automated attendance and Marks calculation.
3	Paperless Office	Mrs.M.Devi Sri Nandhini	Automated document processing for official purposes.
4	Mark Web Portal	Mrs.M.Devi Sri Nandhini	Automated Marks calculation.
5	Event Management System	Mrs.K.Krishnakumari	Automated event management system

#### a. Product Development:

##### 1.College Website Hosting and Management:

The main objective of college management system is to maintain all college related information. Using this system, all college related activities like admission details, Online Fees payment, Apex body documents like AICTE, NIRF, NAAC are maintained. The data and information about college (History, Founders of college, Management) news and events can be viewed and updated. College Management System can store and manage data various departments like Administration, Placement, Course details. Activities like clubs, professional society, YRC,RRC, Alumni ,Course materials etc., The faculty management system can update the conference details of faculty members and also they can generate a report of the same and submit it whenever needed. An interactive alumni management system is there to connect with the faculty members and their juniors. After approval of the chief moderator, Moderator change the news, events and all data's in website.



Figure : Website Management of our



College

Figure :Sample Screenshots

## 2. Attendance Software :

This software automates the process of weekly attendance report generation .It also enables the staff members to fetch the hours attended by students between a period for their corresponding subjects for web portal entry. It has been implemented across all UG & PG departments. The cumulative hours attended by students for each week is automatically updated .The special admin login allows to verify various statistics such as whether the heads have verified the attendance entry ,the absentee count for all years in each department and locking and unlocking facility. The HOD login is used to check whether attendance has been posted for all hours in a day.

Regno	Name	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Hrs	Cum Hrs	Perc.
820317104001	AARTHI V	0	0	0	0	0	0	0	28	70
820317104002	ABINAYA N	1	1	1	1	1	1	40	40	100
820317104003	AISWARYA S	1	1	1	1	1	1	40	40	100
820317104005	ANISH SARMA M	0	0	0	0	0	0	0	28	70
820317104006	ASHIKA A	0	0	0	0	0	0	0	28	70
820317104007	BALAMURUGAN K	1	1	1	1	1	1	40	40	100
820317104008	BAVIYA S	1	1	1	1	1	1	40	40	100
820317104009	BHARATHIDASAN B	1	1	1	1	1	1	40	40	100
820317104010	DEEPIKA J	1	1	1	1	1	1	40	40	100
820317104011	DHIVYA BHARATHI M	0	0	0	0	0	0	0	28	70
820317104012	FARHANA BEEVI J	0	0	0	0	0	0	0	24	60
820317104014	GOKUL S	0	0	0	0	0	0	0	28	70
820317104015	HARIDHA R	1	1	1	1	1	1	40	40	100
820317104016	HARIHARAN S	0	0	0	0	0	0	0	28	70
820317104017	HARINIL R	0	0	0	0	0	0	0	12	30
820317104018	HARINI S	1	1	1	1	1	1	40	40	100
820317104019	HARINI S	1	1	1	1	1	1	40	40	100

Figure:weekly attendance report

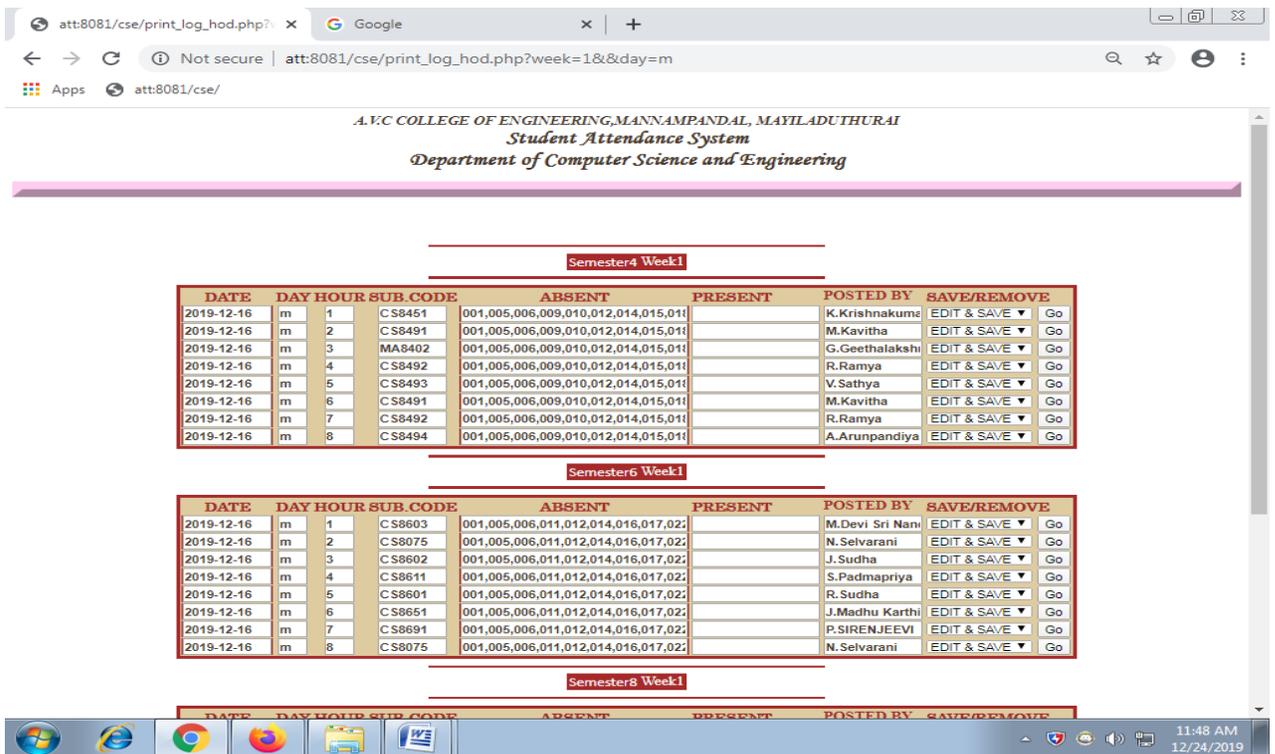


Figure:Hourwise Attendance verification



Figure :Departmentwise attendance verification

### 3. Paperless office

As an initiative towards Paperless work environment that can save time and space, we designed and developed a project to implement paperless office. The main objective of this project is to design an user-friendly interface that would allow the submission of proposals and documents in digital form and also enables tracking the status of the submitted proposals. The dashboard facilitates the user to view the papers under various categories such as pending, rejected, returned and approved papers. It supports querying and answering(conversation) between the officials through the chat interface. The advanced filter option allows the user to view the proposals subjected to specified filtering condition(For example, department-wise proposals, proposals submitted on a specific date, proposals that are pending at a particular level in the hierarchy etc.). This project can boost productivity, save space, make documentation and information sharing easier and keep the official information more secure.



Figure :paperless office-Dashboard of manager

#### 4. Mark Portal :

A portal has been designed and developed for our institutions in order to generate CIA mark statement, CIA performance report and Consolidated mark statement. Prior to the beginning of a semester details such as name list of students, Elective subjects chosen, Staff handling subjects and other relevant data are fed into the portal. After the completion of class test /CIA Test mark scored by the student are entered in the portal by the respective staff members for their corresponding subjects. Once marks for all subjects of a semester has been entered the reports are automatically generated in a printable format.

RegNo.	Name	MA8551 [100]	CS8591 [100]	EC8691 [100]	CS8501 [100]	CS8592 [100]	OCE551 [100]	OMD551 [100]	OAN551 [100]
820317104001	AARTHI V	55	55	65	45	70	58		
820317104002	ABINAYA N	85	66	75	68	70	80		
820317104003	AISWARYA S	95	67	92	70	70	87		
820317104004	AJITHKUMAR A	0	0	0	0	0	0		
820317104005	ANISH SARMA M	36	51	50	66	26	50		
820317104006	ASHIKA A	82	63	69	66	76	78		
820317104007	BALAMURUGAN K	43	66	34	66	36	40		
820317104008	BAVIYA S	86	87	88	90	94	88		
820317104009	BHARATHIDASAN B	77	53	67	52	50	56		
820317104010	DEEPIKA J	98	88	90	95	94	92		
820317104011	DHIVYA BHARATHI M	73	69	70	66	66	80		
820317104012	FARHANA BEEVI J	92	56	57	66	50	82		
820317104014	GOKUL S	77	39	52	47	65	56		
820317104015	HARIDHA R	97	88	88	90	90	91		
820317104016	HARIHARAN S	40	65	42	66	65	41		
820317104017	HARINI R	65	53	74	51	65		65	
820317104018	HARINI S	85	82	91	90	90	85		
820317104019	ISWARYA K	76	70	85	73	95	75		
820317104020	JANARTHANAN S	100	88	88	90	90	80		
820317104021	KANAGARAJ M	90	87	90	92	90		93	
820317104022	KANNAN V	81	67	75	80	76	44		
820317104023	KARTHIGA S	90	85	88	85	88	88		

Figure :sample CIA Mark Statement

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Apps att8081/cse/

**A.V.C COLLEGE OF ENGINEERING**  
Mannampandal, Mayiladuthurai

**June'19-Nov'19 ODD Sem[2019-2020]**  
Class/Sem: III CSE/V  
Batch:2017-2021MODEL EXAM-CONSOLIDATED MARK STATEMENT

RegNo.	Name	MA8551					CS8591					EC8691					CS8501					CS8592					Total						
		MD08	MD09	MD10	MD11	MD12	MD08	MD09	MD10	MD11	MD12	MD08	MD09	MD10	MD11	MD12	MD08	MD09	MD10	MD11	MD12	MD08	MD09	MD10	MD11	MD12							
820317104001	AARTH V	57	0	57	44	20	64	20	0	20	40	20	60	73	0	73	20	78	64	0	64	51	20	72	63	0	63	20	59	57	0		
820317104002	ABINAYA N	67	0	67	54	20	74	68	0	68	54	20	74	68	0	68	70	20	90	72	0	72	58	20	78	68	0	68	70	20	90	80	0
820317104003	AISWARYA S	73	0	73	60	20	80	63	0	63	52	20	72	92	0	92	76	20	96	84	0	84	67	20	87	82	0	82	63	20	87	90	0
820317104004	AJITHKUMAR A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
820317104005	ANISH SARMA M	57	0	57	44	20	64	26	0	26	43	20	63	53	0	53	44	20	64	62	0	62	50	28	68	52	0	52	44	28	63	53	0
820317104006	ASHIKA A	73	0	73	58	20	78	67	0	67	54	20	74	87	0	87	70	20	90	67	0	67	54	20	74	72	0	72	57	20	77	72	0
820317104007	BALANJURUGAN K	66	0	66	53	20	73	64	0	64	52	20	72	76	0	76	62	20	82	64	0	64	51	20	72	67	0	67	52	28	72	69	0
820317104008	BAVIYA S	100	0	100	80	20	100	84	0	84	67	20	87	90	0	90	72	20	92	92	0	92	76	20	96	90	0	90	72	20	92	87	0
820317104009	BHARATHIDASAN B	57	0	57	46	20	66	73	0	73	60	20	80	83	0	83	66	20	86	66	0	66	53	20	73	63	0	63	52	20	72	72	0
820317104010	DEEPIKA J	100	0	100	80	20	100	87	0	87	70	20	90	95	0	95	76	20	96	93	0	93	74	20	94	94	0	94	73	20	92	92	0
820317104011	DHIVYA BHARATHI M	98	0	98	78	20	98	76	0	76	62	20	82	82	0	82	66	20	86	67	0	67	54	20	74	66	0	66	53	20	73	82	0
820317104012	FARHAN BEEVI J	96	0	96	77	20	97	76	0	76	43	20	63	62	0	62	20	70	79	0	79	63	20	83	43	0	43	36	20	56	72	0	
820317104013	GOKUL S	84	0	84	67	20	87	63	0	63	50	20	70	63	0	63	52	20	72	59	0	59	47	20	67	52	0	52	44	28	63	64	0
820317104014	HARIHARAN S	100	0	100	80	20	100	85	0	85	76	20	96	96	0	96	77	20	97	97	0	97	76	20	96	97	0	97	76	20	96	87	0
820317104015	HARINI R	66	0	66	53	20	73	53	0	53	44	20	64	60	0	60	48	20	68	65	0	65	52	28	72	56	0	56	45	28	64	62	0
820317104016	HARISHARAN S	70	0	70	40	20	60	55	0	55	44	20	64	56	0	56	43	20	63	65	0	65	52	20	72	56	0	56	43	28	63	68	0
820317104017	HARINI R	98	0	98	78	20	98	86	0	86	69	20	89	97	0	97	78	20	98	92	0	92	74	20	94	94	0	94	73	20	92	97	0
820317104018	HARINI S	82	0	82	67	20	87	63	0	63	52	20	72	83	0	83	74	20	94	89	0	89	72	20	92	78	0	78	62	20	82	79	0
820317104019	HARISHARAN S	91	0	91	73	20	93	90	0	90	72	20	92	88	0	88	70	20	90	85	0	85	68	20	88	88	0	88	66	20	86	84	0
820317104020	JANARTHANAN S	99	0	99	79	20	99	96	0	96	77	20	97	96	0	96	77	20	97	92	0	92	74	20	94	82	0	82	63	20	83	88	0
820317104021	KANAGARAJ M	82	0	82	73	20	93	63	0	63	52	20	72	77	0	77	62	20	82	87	0	87	70	20	90	72	0	72	60	28	79	87	0

Figure : Mark entry of Model Exam

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Apps att8081/cse/

**A.V.C COLLEGE OF ENGINEERING**  
Mannampandal, Mayiladuthurai

**June'19-Nov'19 ODD Sem[2019-2020]**  
**WEB PORTAL ENTRY PERIOD 3** Class/Sem: III CSE/5  
Period: dd.mm.yyyy to dd.mm.yyyy

RegNo.	Name	MA8551		CS8591		EC8691		CS8501		CS8592		OCE551		OMD551		OAN551	
		Hours	Marks														
820317104001	AARTH V	14	70	11	73	12	62	14	70	14	70	13	75	-1	-2	-1	-3
820317104002	ABINAYA N	16	86	11	82	14	88	15	74	14	88	14	87	-1	-2	-1	-3
820317104003	AISWARYA S	16	97	11	80	14	80	15	75	14	88	14	80	-1	-2	-1	-3
820317104004	AJITHKUMAR A	0	0	0	0	0	0	0	0	0	0	0	0	-1	-2	-1	-3
820317104005	ANISH SARMA M	11	70	10	70	11	70	11	70	10	70	10	73	-1	-2	-1	-3
820317104006	ASHIKA A	16	87	11	81	14	87	15	74	14	84	14	81	-1	-2	-1	-3
820317104007	BALANJURUGAN K	15	70	11	73	12	70	12	76	12	70	13	74	-1	-2	-1	-3
820317104008	BAVIYA S	16	100	11	90	13	90	13	92	12	92	14	92	-1	-2	-1	-3
820317104009	BHARATHIDASAN B	15	80	11	72	13	77	14	73	14	77	13	82	-1	-2	-1	-3
820317104010	DEEPIKA J	16	100	11	92	14	95	15	96	14	94	14	97	-1	-2	-1	-3
820317104011	DHIVYA BHARATHI M	16	80	11	72	14	84	15	77	14	76	14	86	-1	-2	-1	-3
820317104012	FARHAN BEEVI J	14	86	10	74	12	88	14	80	13	80	13	90	-1	-2	-1	-3
820317104013	GOKUL S	16	86	11	70	14	74	15	72	14	72	14	70	-1	-2	-1	-3
820317104014	HARIHARAN S	16	100	11	93	14	94	15	92	14	93	14	94	-1	-2	-1	-3
820317104015	HARISHARAN S	11	70	11	70	12	69	13	70	13	70	13	70	-1	-2	-1	-3
820317104016	HARINI R	13	77	11	70	11	79	11	70	12	70	11	77	-1	-2	-1	-3
820317104017	HARINI S	16	95	11	90	13	97	13	92	14	94	14	93	-1	-2	-1	-3
820317104018	ISWARYA K	16	84	11	89	13	91	13	86	12	88	14	72	-1	-2	-1	-3
820317104019	JANARTHANAN S	13	95	10	88	11	90	13	89	14	89	12	81	-1	-2	-1	-3
820317104020	KANAGARAJ M	12	96	11	92	13	90	15	97	12	93	-1	-3	-1	-3	-1	-3
820317104021	KANNAN V	15	70	11	76	13	80	13	78	14	79	13	70	-1	-2	-1	-3

Figure :Web portal Entry generated for the CIA conducted

**A.V.C COLLEGE OF ENGINEERING**  
**Mannampandal, Mayiladuthurai**  
**Department of Science and Humanities**  
 =====  
**Model Examination Performance Report Odd Sem 2019-2020**

**Civil Engineering**

S.No.	Subject Code	SubjectTitle	Handled By	No.of Students			Pass%
				App	Pass	Fail	
1	H88151	Communicative English	Mrs.S.Muthulakshmi	10	9	1	90
2	MA8151	Engineering Mathematics I	Mrs.G.Geethalakshmi	10	5	5	50
3	PH8151	Engineering Physics	Dr.V.Vanathi	10	5	5	50
4	CY8151	Engineering Chemistry	Dr.M.K.Sangeetha	10	7	3	70
5	GE8151	Problem Solving and Python Programming	Mrs.D.Mahalakshmi	10	7	3	70
6	GE8152	Engineering Graphics	Mr.K.Ramesh	10	10	0	100
<b>Class Pass Percentage:</b>							<b>90.91</b>

**Computer Science Engineering**

S.No.	Subject Code	SubjectTitle	Handled By	No.of Students			Pass%
				App	Pass	Fail	
1	H88151	Communicative English	Dr.K.Krishnamoorthy	48	41	7	85
2	MA8151	Engineering Mathematics I	Dr.S.Rajeshwari	48	38	10	79
3	PH8151	Engineering Physics	Mrs.G.Rajeshwari	48	38	10	79
4	CY8151	Engineering Chemistry	Dr.M.K.Sangeetha	48	42	6	88
5	GE8151	Problem Solving and Python Programming	Mrs.M.Devi Sri Nandhini	48	47	1	98
6	GE8152	Engineering Graphics	Mr.S.Rajkumar	48	48	0	100
<b>Class Pass Percentage:</b>							<b>68.75</b>

**Electronics and Communication Engineering**

S.No.	Subject Code	SubjectTitle	Handled By	No.of Students			Pass%
				App	Pass	Fail	
1	H88151	Communicative English	Dr.K.Krishnamoorthy	25	24	1	96
2	MA8151	Engineering Mathematics I	Dr.V.Tamiliselvan	25	25	0	100
3	PH8151	Engineering Physics	Dr.V.Vanathi	25	25	0	100
4	CY8151	Engineering Chemistry	Mrs.M.Joicemalini	25	25	0	100

**Figure :Performance Report**

## 5. Event Management System :

A Centralized Event management system has been designed and developed for our institution in order to provide the complete details about the activities conducted. Our college is having various clubs like YRC, RRC, CSI, ISTE etc., for carrying out various activities. This system aims to automate the details of the activities conducted. Details of the organized programs, participant details photographs and reports are available under a single window which provide easy and quick access. Also, it facilitates to gather the details about all the activities whenever needed.

The screenshot shows a web browser window with the URL localhost/AVCProject/get-shit-done-master/Clubadd.php. The page displays a 'Club Registration form' with a sidebar menu on the left containing options: AVCCCE, Login, New Activity, Edit Activity, Report, and Logout. The form fields are: Club (dropdown menu), Academic year (dropdown menu), and Coordinator (text input field containing 'aaa'). There are 'Submit' and 'Reset' buttons at the bottom of the form.

**Figure : Activity Management System**