

Pen Education Society's  
Bhausahab Nene College, Pen – Raigad.

**Format for Presentation of Best Practice**

**1. Title of the Practice –**

Digital Attendance

**2. Goal –**

To increase the attendance of the students in college and obtaining real time data of students' attendance. The attendance of students is available on cloud server of service provider. This information can be access by Teaching staff, Non Teaching of the College. It is also available to parent which is helpful to keep the track of the students attendance. College can send SMS on parents mobile by single click which is a very important feature of this practice. Parent can get information of attendance on his/her mobile. It improves the attendance of students in College. This ultimately helps the students in learning. In addition to that, the important information of natural calamities like flood or any urgent information like examination schedule or holiday can be sent by SMS.

**3. The Context –**

To improve teaching learning process and to maintain the quality of learning process the attendance of students in College plays important role. We motivate students to remain present in class room but attendance was not up to expectation. The manual attendance system does not serve this purpose and it is also time consuming. By introducing digital attendance system we have adopted modern technology which is time saving and also it creates useful data. The parents also get proper information about attendance of students instantly by SMS. Teaching staff, Non Teaching staff and Parents can log in and get information about attendance.

**4. The Practice -**

Digital attendance

An innovative idea about registering student's attendance digitally was implemented from last two years. A smart card is provided as a student Identity card and with the help of detectors provided attendance of students registered digitally. The software for this is





provided. It helps to register attendance on server. When all entries are made all data of students' attendance can be used to have various reports regarding attendance of students' e.g. daily attendance / attendance class wise / attendance teaching wise. If student is failing to fulfill his attendance as required by university norms SMS is sent to student / parent directly by using attendance software. So it's easy to monitor to students attendance regularly. In addition this a teachers and parents are provided with login ID and password using this they can monitor attendance of their student / ward as the case may be. A very important use of this digital attendance system is that students and parents can be informed in case of emergency by sending SMS on their mobile. This system is working very nice in our institute.

### 5. Evidence of Success –

It is observed that, implementing digital attendance of students is really working nicely. Teachers are happy because of time saved. The attendance of students in classroom has increased in last two years. The absent student's parents are informed on SMS which proved very effective. The I card provided to students are smart ID. Because of this system we get various types of information easily from attendance software.

Teacher Name	Period01	Period02	Period03	Period04	Period05	Period06	Period07	Extra Period 9	Extra Period 10	Extra Period 11	Extra Period 12
Akmal Azmi	7:10 AM 7:58 AM	7:58 AM 8:46 AM	8:46 AM 9:34 AM	10:00 AM 10:48 AM	10:48 AM 11:36 AM	11:36 AM 12:24 PM	12:24 PM 1:12 PM	1:12 PM 2:00 PM	2:00 PM 2:48 PM	2:48 PM 3:36 PM	3:36 PM 4:24 PM
			57.88% p:83 a:44 FYBCOM Ma-Th	72.41% p:21 a:8 FYBSC Ca-Tu (Bat-1)							
				Bin Entries:15 Unscheduled Shateral FYBSC							



		EM-Th	Unscheduled Student SYBCOM				
Girish Upadhye		81.16% p:56 a:13 SYBCOM MF-Th	80.95% p:34 a:8 SYBCOM Ad-Th  Bin Entries:1 Unscheduled Student SYBCOM	47.37% p:27 a:30 TYBCOM MR-Th			
Deepal Joshi							
Hemalata Sawant							
Janardan Wani							
Jyotena Patil							
Karishma Mhatre	73.33% p:11 a:4 TYBSC-CS DC-Pr	73.33% p:11 a:4 TYBSC-CS DC-Pr	73.33% p:11 a:4 TYBSC-CS DC-Pr	73.33% p:11 a:4 TYBSC-CS DC-Pr			
Madhukar Salunke		75.64% p:59 a:19 TYBSC MH-Th					
Namdev Bansode							
Pallavi Chatuphele				78.28% p:18 a:5 FYBSC CO-Th	86.67% p:13 a:2 TYBSC-CS OS-Th	86.67% p:13 a:2 TYBSC-CS OS-Th	86.67% p:13 a:2 TYBSC-CS OS-Th
Pankajkumar Patil	66.42% p:91 a:46 FYBCOM BC-Th		47.50% p:57 a:63 FYBA-B CS-Th Co-Teacher CS-Th	30.00% p:36 a:84 FYBA-B CS-Th Co-Teacher CS-Th	30.00% p:36 a:84 FYBA-B CS-Th Co-Teacher CS-Th		
			87.50% p:35 a:5 SYBA-A PI-Th				
			88.67%				

## 6. Problems Encountered and Resources Required –

### Problems –

- Student forget to bring I card
- Teachers forget Key I card
- Teachers don't log in
- Parent don't log in
- Charging of the ID reader
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### Resources Required –

- Smart ID is costly
- Detectors are costly
- It required constant software support
- Separate attendant is required for carrying hand held reader devise
- Skilled computer operator is required

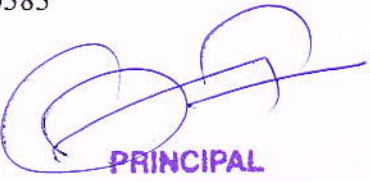
## 7. Notes (Optional) --



**8. Contact Details -**

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**PRINCIPAL**  
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