

IEEE madC Contest 2017

IEEE SMART COLLEGE APP



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IEEEmadC
Mobile Application Development Contest



IEEE

*Advancing Technology
for Humanity*

IEEE METAFINGER



TEAM

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Krushn Dayshmookh



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QUERY TYPE

HOSTEL

1. CLEANLINESS
2. MESS
3. SECURITY
4. ROOM CHANGE OR ROOM MATES
5. TIMINGS
6. OTHERS

MANAGEMENT

1. CLEAN CAMPUS
 - a. CORRIDORS
 - b. CLASSROOMS, STAFFROOM
 - c. CANTEEN, LIBRARY
 - d. COMMON ROOMS, TOILETS
2. CANTEEN
3. PARKING
 - a. TWO WHEELERS
 - b. FOUR WHEELERS
4. LIBRARY
 - a. BOOK ISSUE
 - b. XEROX
 - c. STATIONARY
 - d. ID CARD RENEWAL
5. FEES AND ACCOUNT SECTION
6. BRANCH CHANGE

SUBJECT

1. FYE (I & II SEM)
III SEM ONWARDS
2. CIVIL
3. ETC
4. ETRX
5. CSE
6. IT
7. MECH

ACADEMICS

1. EXAM SCHEDULE
2. MARKS AND PAPER SHOWING
3. RESULTS
4. BACKLOGS
5. ATTENDANCE AND DETENTION LIST

EXTRA - ACTIVITIES

1. FORUMS
2. SEMINARS, WORKSHOPS
3. COMPETITIONS
4. CONFERENCE
5. SPORTS EVENTS
6. IEEE CONGRESS
7. IEEE EVENTS



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AND SUGGESTION BOX

COMPLAINT TYPE

HOSTEL

1. CLEANLINESS
2. MESS
3. SECURITY
4. ROOM CHANGES OR ROOM MATES
5. TIMINGS
6. OTHERS

MANAGEMENT

1. CLEAN CAMPUS
 - i) CORRIDORS
 - ii) CLASSROOMS
 - iii) STAFFROOM, CANTEEN, LIBRARY
 - iv) COMMON ROOMS AND TOILETS
2. CANTEEN
3. PARKING
 1. TWO WHEELERS
 2. FOUR WHEELERS
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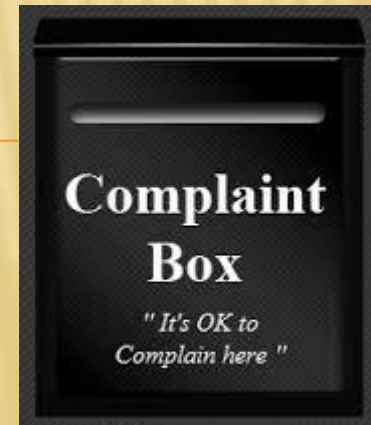
EXTRA - ACTIVITIES

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COMPLAINT AND SUGGESTION BOX



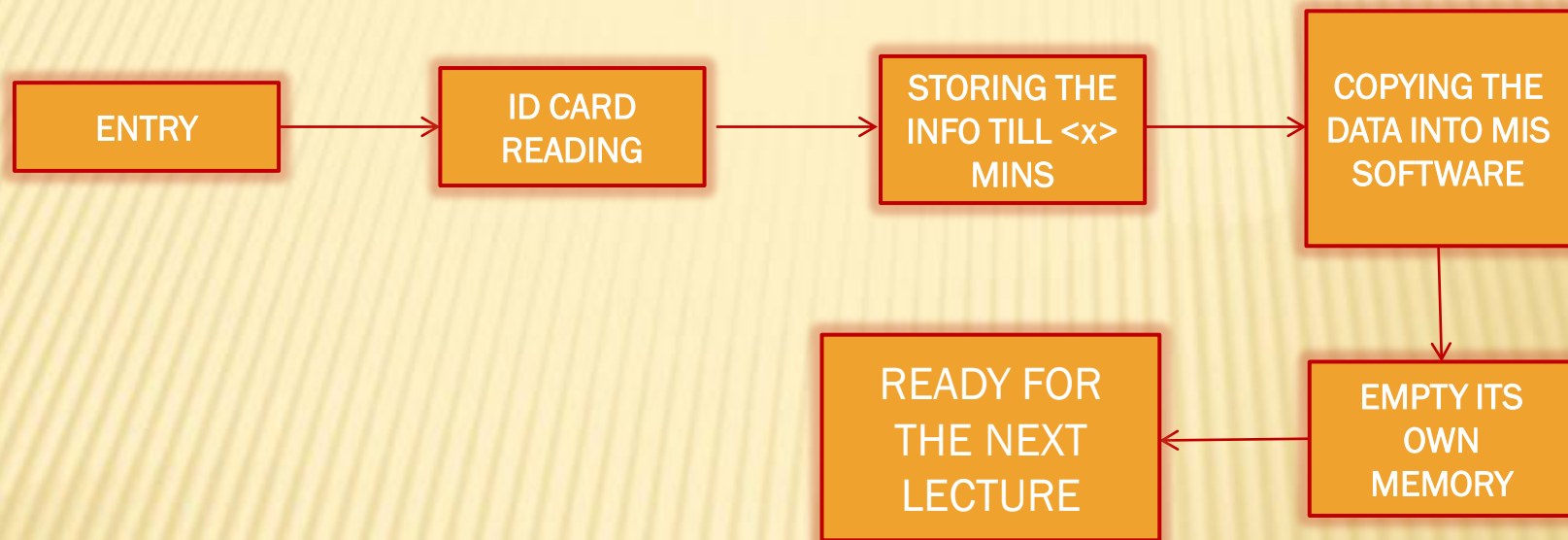
- Both students and teachers can use this facility. Main benefit of this facility is that anyone can complaint from anywhere just by signing in.
- To avoid misuse of this facility we have made a format in which signing in is compulsory if anyone wants use this facility.
- Each and every complaint or suggestion that is made will reach only the incharge of the respective activity and Director.
- Reminders can be sent if the problem remains unresolved.
- An illustrative example is shown using flowchart to have a clear idea.



ATTENDANCE ON ENTRY..!

- Sensors on the doors can be fixed such that it reads the code from the ID card of the student.
- This can be done by bar code or RF ID reading system.
- After scanning the ID card of the student, attendance of the students is directly entered into the MIS software.
- This reduces the workload of teachers.
- Only till the first <Specific> minutes from the commencement of lectures attendance may be given.
- This facility will also make the ID cards compulsory for students as they will get attendance only if they have ID card.
- To have a clear idea an illustrative example is shown using flowchart.

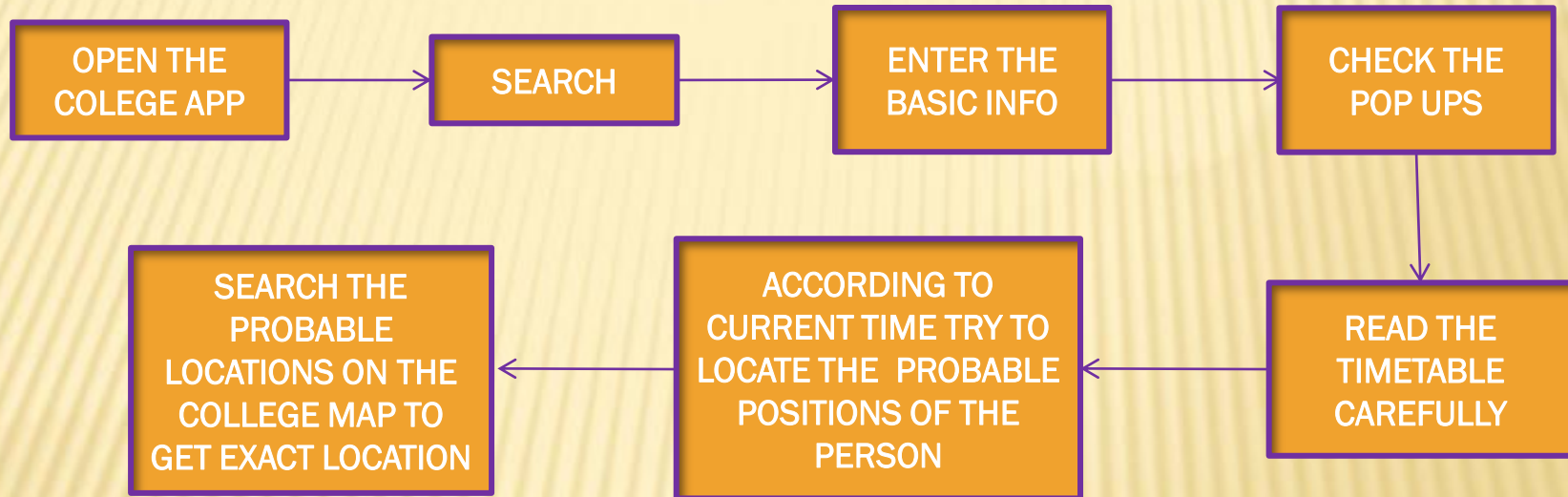
ATTENDANCE ON ENTRY..!



FIND ANYONE YOU WANT !!

- ✓ Tracking system will be established through which you can find anyone present in the college using this facility.
- ✓ One needs to enter the basic information of the person and the respective time table will pop up.
- ✓ It will also flash whether the student is attending the class or the professor is conducting the class (with due modifications).
- ✓ In this way, to track a person down in such a large premises gets very easy.
- ✓ This facility saves great deal of time.
- ✓ Success rate of finding a person highly increases in this case.
- ✓ To have a clear idea an illustrative example is shown using flowchart.

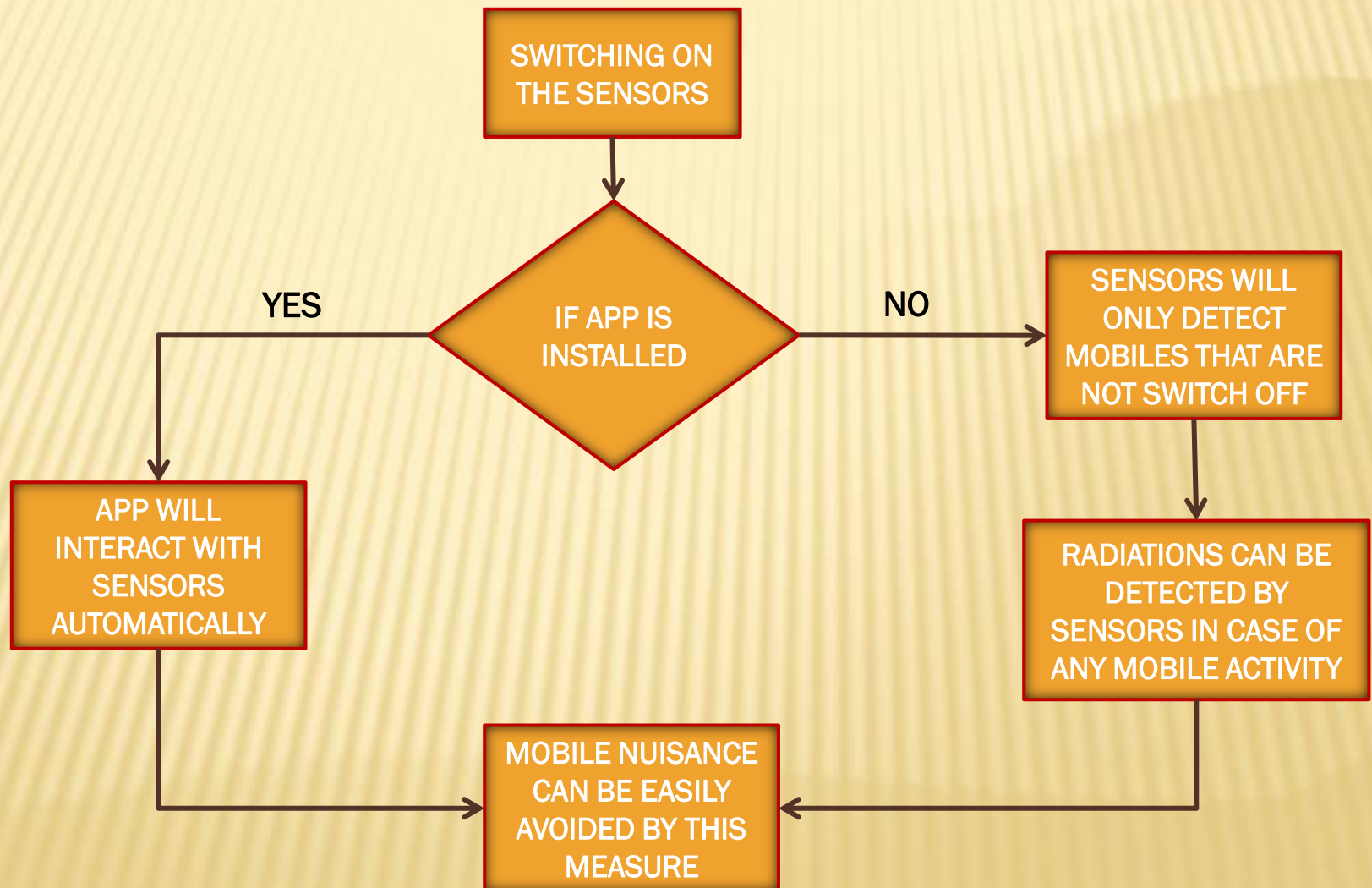
FINDING ANYONE MADE EASY



CATCH THE CELL PHONE ACTIVITY

- ◆ It becomes easy to find out if anyone uses cell phone during the lectures, workshops, seminars or examination hall.
- ◆ It helps to maintain rules and regulation with lesser efforts.
- ◆ Cell phones cannot be detected if switched off.
- ◆ If the app is already installed then it will interact with the sensors and phones on “Airplane mode with Wifi On” interacting with college wifi can also be detected & prevents malpractices.
- ◆ A Future scope (R&D concept) is that if we enable Sensors in the room to detect the radiation of mobile phones when any message or call is sent or received, or if internet is ON or any other wireless network is active.

DETECTION OF MOBILE ACTIVITY (HARDWARE + SOFTWARE CONCEPT)





THANKYOU!



IEEE MetaFinger

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