



**K.S.R. COLLEGE OF ENGINEERING**  
**TIRUCHENGODE – 637 215**  
**(Autonomous)**

**Event Schedule**

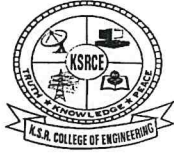
1	<b>Name of the Event (Seminar/Workshop/Conference/FDP/Any other)</b>	PALS Analyze
2	<b>Name of the Organizer</b>	EEE Department
3	<b>Date of Event</b>	24.02.2021
4	<b>Platform</b>	GOOGLE MEET
5	<b>Title of the Event</b>	PALS Analyze- A case study based Event (Airport Passenger Feedback System)
6	<b>Name of the Co-ordinators</b>	Mr.S.Subramani
7	<b>Total Participants</b>	4
8	<b>Objectives of the Event</b>	To be successful completion of event the participants to develop skill to implement Airport Passenger Feedback System

  
**Coordinator**



  
**Principal**

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**REPORT**

IIT PALS organized a seminar on “PALS Analyze- A case study based Event (Airport Passenger Feedback System)” on 24.02.2021. This was attended by 4 of EEE department KSR College of Engineering. The faculty coordinator, Mr. M.Subramani, AP/EEE also attended this seminar.

The purpose of the seminar was to discuss about airport staff, airport amenities and general passenger perception about the airport and about the flights. It gives you a platform to recognize key trends, track repetitive issues and resolve them faster than before.

  
**CO-ORDINATOR**

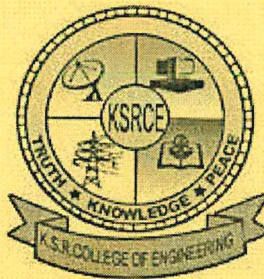


  
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**PALS Analyze- A case study based Event  
(Airport Passenger Feedback System)**

**Academic Year  
2020-2021**

**24<sup>th</sup> February 2021**



**Hosted by**

**K.S.R. COLLEGE OF ENGINEERING**

**(An Autonomous Institution, Affiliated to Anna University Chennai)**

**K.S.R. Kalvi Nagar, Tiruchengode - 637 215**

**Namakkal District, Tamilnadu, India**



  
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**CAMPUS EVENT PALS ANALYZE 2021**

**HOSTED BY**

**K.S.R.COLLEGE OF ENGINEERING, (Autonomous)  
TIRUCHENGODE-637215**

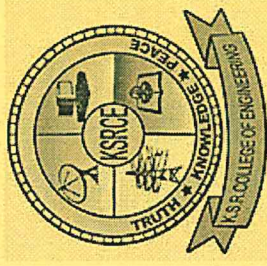
**On**

**24<sup>th</sup> Feb 2021**



  
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# ★ PALS

## PALS ANALYZE

(A CASE STUDY BASED EVENT)



### CASE STUDY

## Airport Passenger Feedback System

Date : 24<sup>th</sup> FEBRUARY 2021

Timings : 02.30 PM – 04.30 PM

**TEAMS : KSRCE,NANDHA,ALPHA,KCG,KPRIET,SAIRAM**

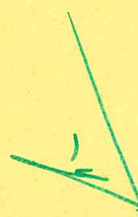
PHONE +91 98405 50470

EMAIL [palspgm@gmail.com](mailto:palspgm@gmail.com)

WEB SITE [www.palspgm.com](http://www.palspgm.com)

With the Support from  
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IIT Madras Alumni Association Office,  
CCW building,  
IIT M Campus,  
Chennai – 600 036

  
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subramani m &lt;smsubramani20@gmail.com&gt;

## Fwd: OPEN FOR NOMINATION :: CAMPUS EVENT PALS ANALYZE 2021 Competition – 24th FEBRUARY 2021 : 2.30 PM – 4.30 PM

R Venkatachalam &lt;venkatachalam@ksrce.ac.in&gt;

Wed, Feb 17, 2021 at 10:10 AM

To: Saran Sujai T <saransujai@ksrce.ac.in>, "gogulan.m.c@gmail.com" <gogulan.m.c@gmail.com>, "kandamca86@gmail.com" <kandamca86@gmail.com>, "manomeece@gmail.com" <manomeece@gmail.com>, "pvjagadeesh88@gmail.com" <pvjagadeesh88@gmail.com>, "selvakumarskp@gmail.com" <selvakumarskp@gmail.com>, "somumurugesan@gmail.com" <somumurugesan@gmail.com>, "spsreekalaphd@gmail.com" <spsreekalaphd@gmail.com>, subramani m <smsubramani20@gmail.com>

----- Forwarded message -----

From: erobinjooseph Robin &lt;palsreach@gmail.com&gt;

Date: Wed, 17 Feb 2021 at 9:18 AM

Subject: OPEN FOR NOMINATION :: CAMPUS EVENT PALS ANALYZE 2021 Competition – 24th FEBRUARY 2021 : 2.30 PM – 4.30 PM

To: <principal@ksrce.ac.in>, <venkatachalam@ksrce.ac.in>, <directorsip@nandhaengg.org>, <deancivil@nandhaengg.org>, Srinivas Rao <psrao.acfat@alphagroup.edu>, Yamuna ACE <yamuna@alphagroup.edu>, dhanalakshmi R <dhanalakshmi.cse@kcgcollege.com>, Frieda F S <frieda.civil@kcgcollege.com>, Tamilselvan K S EC079 <tamilselvan@kpriet.ac.in>, KANMANI S KPR <Kanmani.s@kpriet.ac.in>, Vijayalakshmi J Mrs. <hod.mca@sairam.edu.in>, Dr. J. Vijayalakshmi <vijayalakshmi.it@sairam.edu.in>, <hodit@sairamit.edu.in>

Cc: Sujata Sundaresan <sujatas@palspgm.com>, Lavana EG <lavanaeg@gmail.com>, Arun Dev <ARUN.DEV@palspgm.com>, Chandrasekaran Coimbatore Natesan <cnchandrasedkaran@palspgm.com>, S Bharanidharan <bharani@palspgm.com>, Anuradha Ramanujam <anuradha.ramanujam@gmail.com>, Manikandan Sd <manisd86@gmail.com>

Dear EC Members

Greetings from PALS!

**Kind Attention: KSRCE, NANDHA, ALPHA, KCG, KPRIET, SAIRAM**

We are pleased to invite you to nominate a team of four students from your institute for the Campus Event PALS Analyze competition scheduled on 24th Feb 2021 to be held between 2.30pm – 4.30pm.

### A brief on PALS Analyze

The PALS Analyze is a case study competition, where problem statements from industry are shared and teams from select institutes are required to present their solution. Five such competitions are planned this year – which would cover all our partner institutes

This year there are five / six institutes who would be participating in each competition. Colleges would nominate a team of four students to represent them in the competition. Teams would have five days to work on the case and prepare a presentation of not more than 10 slides explaining their analyses of the problem, the solution proposed and the assumptions made. The time for the presentation is 10 minutes. The team presentations would be evaluated by members from PALS and industry. The final solution would also be discussed.

The top student team in each competition would be awarded a prize.

The cases would be from Core engineering as well as the Systems engineering area.

A write up on the competition is attached.

The **CASE STUDY** which the team would have to prepare for on 24th Feb 2021 is attached.

### Meeting Details

Join Zoom Meeting



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<https://us02web.zoom.us/j/89625658246>

**Meeting ID: 896 2565 8246 | Passcode: 1611219**

**Registration (Team / Audience)**

Click on the link below to nominate the student teams.

**PALS ANALYZE-TEAM REGISTRATION-24.02.21(DEADLINE FOR TEAM REGISTRATION is 20th FEB)**

The event would also be webcast, for the benefit of other students in the institute. The registration link for the audience is

**PALS ANALYZE-AUDIENCE REGISTRATION-24.02.21**

A write up of the case that is to be discussed on that day would be posted on the PALS website earlier on that day to provide students a background on the case.

Team members may write to PALS Champion for any mentoring required on the above subject. The email ids are as follows:

Mr. Arun Dev @ [arun.dev@palspgm.com](mailto:arun.dev@palspgm.com), or Mr. C. N. Chandrasekaran (CNC) @ [cnchandrasekaran@palspgm.com](mailto:cnchandrasekaran@palspgm.com).

Thanks and Regards,  
**Emmanual Robin Joseph**  
PALS PMO  
70100 94702 (O)  
95002 54011(P)

**PALS Management Office**

Sujata Sundaresan | [palspgm@gmail.com](mailto:palspgm@gmail.com) ; [sujatas@palspgm.com](mailto:sujatas@palspgm.com) | +91-98416 39338

E Robin Joseph | [palreach@gmail.com](mailto:palreach@gmail.com) | +91-95002 54011


Lavana EG | [lavanaeg@gmail.com](mailto:lavanaeg@gmail.com) | +91 96007 62104


For more details, visit [www.palspgm.com](http://www.palspgm.com)

Thanks and Regards  
Dr.R.Venkatachalam, B.E., M.Tech.,(IITM), Ph.D.,  
Professor and HoD,  
Automobile Engineering  
K.S.R. College of Engineering (Autonomous)  
Tiruchengode-637215.  
Tamil Nadu,  
India.

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**2 attachments**

 **PALS Analyse 2021 Writeup.pdf**  
111K

 **PALS ANALYZE 2021 PS 2-24.02.21.pdf**  
437K



  
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**Fwd: Registered student list of PALS ANALYZE -Reg**

R Venkatachalam &lt;venkatachalam@ksrce.ac.in&gt;

Mon, Feb 22, 2021 at 3:41PM

To: Saran Sujai T <saransujai@ksrce.ac.in>, "gogulan.m.c@gmail.com" <gogulan.m.c@gmail.com>, "kandamca86@gmail.com" <kandamca86@gmail.com>, "manomee@ksrce.ac.in" <manomee@ksrce.ac.in>, "pvjagadeesh88@gmail.com" <pvjagadeesh88@gmail.com>, "selvakumarskp@gmail.com" <selvakumarskp@gmail.com>, "smsubramani20@gmail.com" <smsubramani20@gmail.com>, "somumurugesan@gmail.com" <somumurugesan@gmail.com>, "spsreekalaphd@gmail.com" <spsreekalaphd@gmail.com>

----- Forwarded message -----

From: erobinjoseph Robin &lt;palsreach@gmail.com&gt; Date: Mon, 22 Feb 2021 at 12:09 PM

Subject: Registered student list of PALS ANALYZE -Reg

To: &lt;placement@ksrce.ac.in&gt;, KSR CEPlacement &lt;ksrceplacement@gmail.com&gt;

Cc: &lt;venkatachalam@ksrce.ac.in&gt;, &lt;principal@ksrce.ac.in&gt;, Sujata Sundaresan &lt;sujatas@palspgm.com&gt;, Lavana EG &lt;lavanaeg@gmail.com&gt;, Anuradha Mam &lt;palspgm@gmail.com&gt;

Greetings from PALS

Please find below the registered list PALS ANALYZE for your reference.

Name:	Year	Gender	Department	College Name	TEAM NAME
M.SABAREESWARAN	IIIYEAR	Male	EEE(Electrical and Electronics Engineering)	K. S. R. COLLEGE OF ENGINEERING	NOVA
R.JAYAPAL	IIIYEAR	Male	EEE(Electrical and Electronics Engineering)	K. S. R. COLLEGE OF ENGINEERING	
E.KARANSANTH	IIIYEAR	Male	EEE(Electrical and Electronics Engineering)	K. S. R. COLLEGE OF ENGINEERING	
A.SIVARAMAN	IIIYEAR	Male	EEE(Electrical and Electronics Engineering)	K. S. R. COLLEGE OF ENGINEERING	

Thanks and Regards,  
**Emmanuel Robin Joseph**  
 ALS PMO  
 70100 94702 (O)  
 95002 54011(P)

**PALS Management Office**

Sujata Sundaresan | palspgm@gmail.com ;

sujatas@palspgm.com | +91-98416 39338E Robin

Joseph | palsreach@gmail.com | +91-95002 54011

Lavana EG | lavanaeg@gmail.com | +91 96007 62104



  
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For more details, visit [www.palspgm.com](http://www.palspgm.com)

Thanks and Regards  
 Dr.R.Venkatachalam, B.E.,  
 M.Tech.,(IITM), Ph.D.,  
 Professor and HoD,  
 Automobile Engineering  
 K.S.R. College of Engineering (Autonomous)  
 Tiruchengode-637215.  
 Tamil Nadu, India.





subramani m &lt;smsubramani20@gmail.com&gt;

## Fwd: Agenda for PALS Analyze event-Host Colleges

R Venkatachalam &lt;venkatachalam@ksrce.ac.in&gt;

Mon, Feb 22, 2021 at 9:12 AM

To: Saran Sujai T <saransujai@ksrce.ac.in>, "gogulan.m.c@gmail.com" <gogulan.m.c@gmail.com>, "kandamca86@gmail.com" <kandamca86@gmail.com>, "manomeece@gmail.com" <manomeece@gmail.com>, "pvjagadeesh88@gmail.com" <pvjagadeesh88@gmail.com>, "selvakumarskp@gmail.com" <selvakumarskp@gmail.com>, "somumurugesan@gmail.com" <somumurugesan@gmail.com>, "spsreekalaphd@gmail.com" <spsreekalaphd@gmail.com>, subramani m <smsubramani20@gmail.com>

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From: erobinjoseph Robin &lt;palsreach@gmail.com&gt;

Date: Mon, 22 Feb 2021 at 9:04 AM

Subject: Agenda for PALS Analyze event-Host Colleges

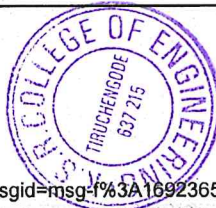
To: Ganesan M <ganesan.m@drmgrdu.ac.in>, <nalini.eee@drmgrdu.ac.in>, ShanmugaSundaram V <shanmugasundaram@sonatech.ac.in>, Padma S <padmas\_eee@sonatech.ac.in>, Suresh P <suresh\_p\_g@sonatech.ac.in>, <venkatachalam@ksrce.ac.in>, <directorsip@nandhaengg.org>, Muthu Krishnan <mk24in@gmail.com>, Arivumani Ravanani <sun.arivumani@gmail.com>, principal kit <principal@kitcbe.com>, Shaik Niyazuddin Guntakal <shaikniyazuddin.g@ktr.srmuniv.ac.in>, HOD SWE KTR <hod.swe.ktr@srmist.edu.in>, Arun C <arunc@srmist.edu.in>, CHIDAMBARAKUMARAN.S <chidambarammech@kamarajengg.edu.in>, <sadeshcse.velalar@gmail.com>, mahendrakumar s <mahendrakumar.sp@gmail.com>, PRABU RAM G <prabu@ritrjpm.ac.in>, DeepaLakshmi B <deepalakshmi@ritrjpm.ac.in>, Ramkumar S <s.ramkumar@aalimec.ac.in>, P MUNIRAJA CHANDRA <p.munirajachandra@aalimec.ac.in>  
Cc: Lavana EG <lavanaeg@gmail.com>, Arun Dev <ARUN.DEV@palspgm.com>, Sujata Sundaresan <sujatas@palspgm.com>, Manikandan Sd <manisd86@gmail.com>

Dear EC Members,

Greetings from PALS

Please find below the Agenda for PALS Analyze event.

Time	Description	By
2 30 pm	Welcome note and Zoom conduct	Robin/ EMCEES
2.31 pm to 2.35 pm	Introduction on PALS Analyze event – scope / participation /evaluation of team presentation and one winner for every event / PALS team for evaluation and external faculty helping in developing these cases	Arun Dev
2.35 pm to 2.42 pm	Address by Host college 1	Senior Management
2.42 pm to 2.49 pm	Address by Host college 2	Senior Management
2.49 pm to 3.00 pm	Explanation of the Problem statement for the case today/ solutions expected and time limit for the team presentation	Arun Dev / CNC / Bharani
3.00 pm to 3.50 pm	Team presentations 1  3.00 to 3.10 3.10 to 3.20	Team 1 Team 2



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	3.20 to 3.30 3.30 to 3.40 3.40 to 3.50 3. 50 to 4.00	Team 3 Team 4 Team 5 Team 6
4.00 pm to 4 15 pm	Explanation by PALS Faculty on the problem, the additional inputs which were provided and the final solution which was implemented	PALS faculty
4.15 pm to 4.20 pm	Concluding remarks and Vote of thanks	CNC / Anu / Bharani

Thanks and Regards,  
**Emmanuel Robin Joseph**  
 PALS PMO  
 70100 94702 (O)  
 95002 54011(P)

**PALS Management Office**


Sujata Sundaresan| palspgm@gmail.com ; sujatas@palspgm.com | +91-98416 39338

E Robin Joseph | palsreach@gmail.com | +91-95002 54011

Lavana EG | lavanaeg@gmail.com | +91 96007 62104

For more details, visit [www.palspgm.com](http://www.palspgm.com)

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 Thanks and Regards  
 Dr.R.Venkatachalam, B.E., M.Tech.,(IITM), Ph.D.,  
 Professor and HoD,  
 Automobile Engineering  
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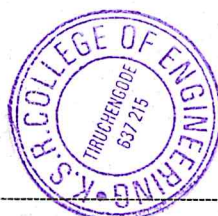
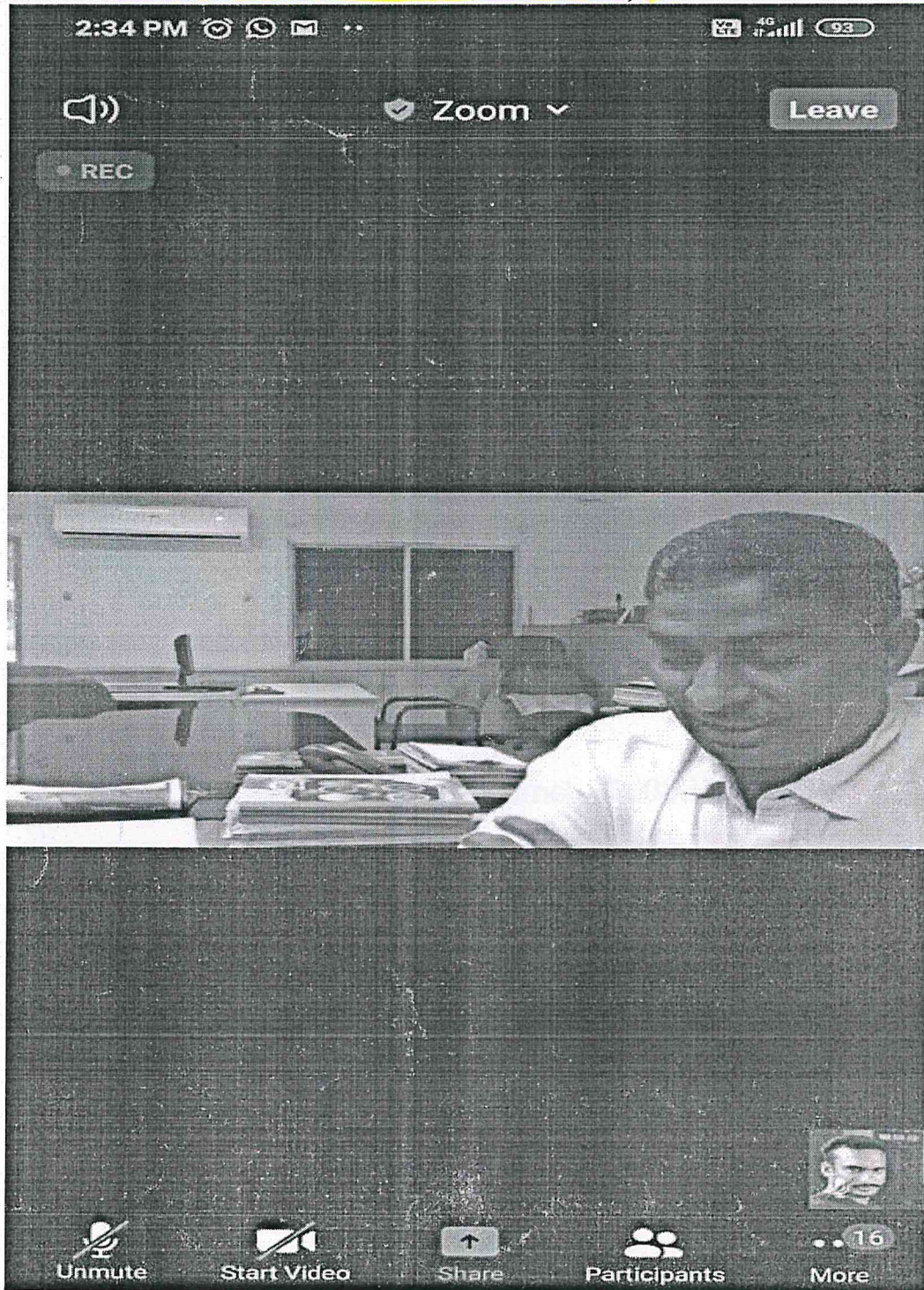




## **ADDRESS BY HOST COLLEGE**

**Dr.P.SENTHILKUMAR**  
**PRINCIPAL,**

**K.S.R.COLLEGE OF ENGINEERING, TIRUCHENGODE**



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Close

## Participants (20)

Search



GRP 11- GOGULAN (me)



Pals pgm (Host)



PALS,MANIKANDAN (Co-host)



SUGAN G G - KPRIET - ST... (Co-host)



SYMBIOTES-NEC-NISHM... (Co-host)



SYMBIOTS -NEC-MAHESH... (Co-host)



Venkatachalam R (Co-host)



19EC038 - Jambukeswaran



Gokul 18IT008



KAARTHIKEYAN.S-KSRCE STUD...



MC-VIVEKA.S-KSRCE



Sabareeswaran M



Invite



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## **PALS Analyze 2021.**

We are pleased to welcome you to the PALS ANALYZE 2021 competition. This competition seeks to provide students of engineering with an exposure to practical problems in industry. There would be 5 competitions of PALS ANALYZE covering all our partner Institutions ( 3 with 5 PIs and 2 with 6 PIs).

These are scheduled from **23<sup>rd</sup> Feb 2021 to 27<sup>th</sup> Feb 2021** and the participating PIs would be communicated the cases between 17<sup>th</sup> to 21<sup>st</sup> Feb 2021.

Each competition would have a case study. Each case would provide a background of the process, a description of the problem faced and seek solutions.

Like in industry, these problems require time bound solutions, meet the target performance requirements / and the economic criteria for the implementation. A significant amount of data on understanding the process and technical information for the construction of the solution is available in the public domain.

In addition, as in industry, few assumptions would need to be made – with justification of course !!, and practical guidelines considered in formulating the solution.

### **The competition**

Each of the PALS partner institutes would nominate one team comprising of four students. They would have 5 days to form a team, develop an understanding of the problem and prepare a solution.

Each team would have 10 minutes to present their solution – in not more than 7-10 slides – and clarify queries from a panel of evaluators. The presentations by the student teams would be evaluated by a team consisting of industry specialists as well as PALS core team members.

The criteria for evaluation would be

1. Understanding of the problem
2. The solution proposed with supporting technical back up
3. the assumptions that have been considered and their logic.

We wish the teams all the best in their preparation for the competition and look forward to your innovative solutions.

### **Audience**

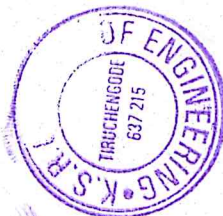
The competition would be webcast live so that other students could also log in and attend.

A write up of the case that is to be discussed on that day would be posted on the PALS website earlier on that day to provide students a background on the case.

**Timing – 230 pm and 430 pm from 23<sup>rd</sup> Feb to 27<sup>th</sup> Feb 2021**

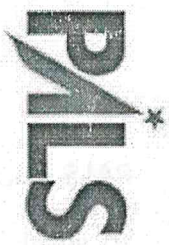
Regards

Arun Dev  
PALS Champion



  
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TIRUCHENGODE-637 215





## Airport Passenger Feedback System

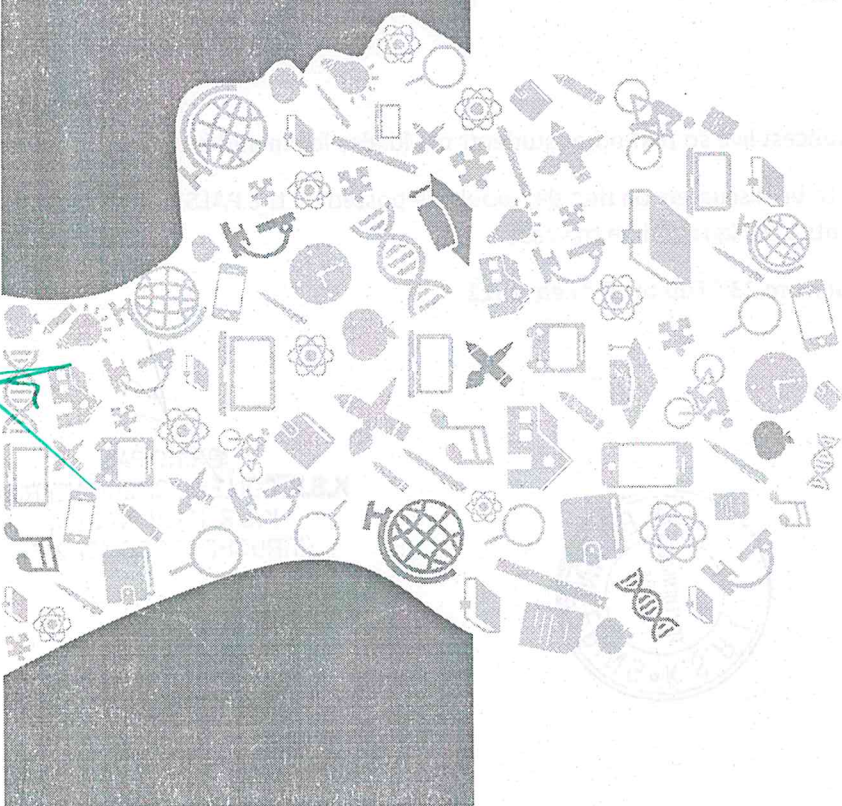
A leading airport collects customer feedback from various forms such as paper, online and social media. The amount of feedback they receive is around 1000-2000 per day. The feedback can be related to any issue related to the airport, airline, security, checkin, lounges and other facilities. Customers can upload images, videos and text as their feedback along with satisfaction ratings as applicable. The airport is employing a strategy to process the customer feedback in real time to understand. Their end goal is to segregate and provide timely feedback to relevant stakeholders. They need a real time dashboard and analysis such as sentiment of the reviews posted. They also plan to extend this for merchandising opportunities with the airport outlets to gauge the taste and preference of customers.

In the above context, can you propose a solution that envisages processing of data and predicting customer preferences, tastes for processing? Also for negative feedback highlight the concerned stakeholders by creating a service ticket so that it can be addressed in a timely manner.

### Expectations on the Outcome

You can share your assumptions on integrations with various systems and underlying data processing. You can propose models for various types of datasets you have observed in the above case.

A successful solution should envisage a comprehensive system that not only processes the data but makes it available for various stakeholders to use them in their internal systems. Please state your non-functional requirements in the design such as availability, scale, security and reliability.



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