

# WEIDONG SMART CLASSROOM SOLUTIONS



伟东云教育  
WEIDONG CLOUD EDUCATION

WEIDONG CLOUD EDUCATION GROUP BEIJING, CHINA

# EDUCATION 2030 & SMART CLASSROOM

*The Education 2030 Framework for Action* approved by the 38th UNESCO General Conference points out the general goal of education development in the next 15 years:

**"to ensure the inclusive, equitable and quality education and to increase the opportunities of life-long learning for all."**

Information and Communication Technology (ICT) has become the fundamental driver for promoting and realizing the global goals of "Education 2030".

**Smart classroom can make full use of the new generation of information technology such as internet, cloud computing and big data to construct the brand-new digitalized teaching and learning modes.**

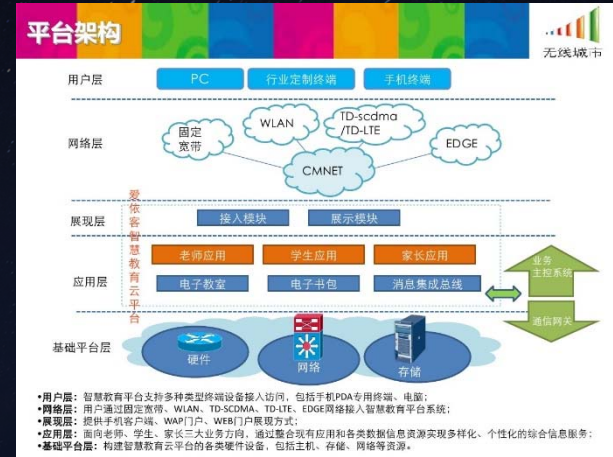
## Smart Classroom



Smart Classroom has become a predominant form of the integration of ICT and Education at present. Smart Classroom applies technologies of the new-generation to enhance current education systems, which could effectively facilitate the achievement of the quality and equity of global education.

Weidong Cloud Education Group, as an Internet Education Platform Operator and a strategic partner of UNESCO, is committed to leverage ICT to help achieve balanced development of education, to enhance the development and sharing of quality educational resources, and to promote the application of ICT in K-12 and Higher Education.

Weidong Cloud Education Group, years of research and practices, provides customized, highly responsive Smart Classroom Solutions for countries and regions according to their specific situations, which could help achieving the Sustainable Development Goal for education by 2030.



## Regional Smart Classroom Solution



## Campus Smart Classroom Solution



## Independent Smart Classroom Solution



**SOLUTION**  
**1**

**Independent  
Smart Classroom  
Solution**

Independent Smart Classroom Solution is designed for schools without network. It allows Interactive Teaching via technology in each smart classroom.

There are three packages of Independent Smart Classroom available for clients, which are Basic Package, General Package and Professional Package.

### Basic package

contains an All-in-one Interactive Smartboard and a laptop for teacher;

### General package

adds a Cloud Desktop System and a Wireless Visualizer to the Basic Package;

### Professional package

adds a Recording and Broadcasting System to the General Package.

For each of the three packages, the Smart Teaching software which is developed for teaching preparation and in-class teaching is provided.

## ■ Basic Package

Teachers use Weidong Smart Classroom Software on their personal computers to prepare courses and copy the course data package to the All-in-one Interactive Smartboard via a USB portable device and deliver courses.



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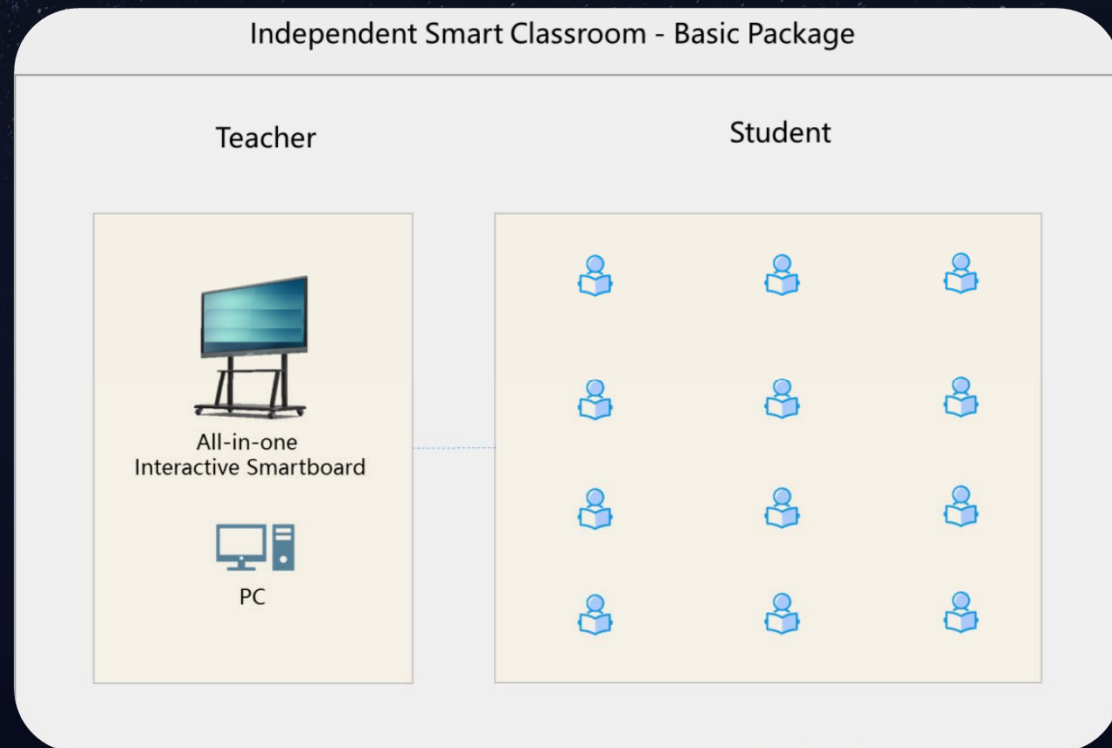


Illustration of Independent Smart Classroom Solution  
(Basic Package)

## ■ Basic Package

The All-in-one Interactive Smartboard replaces the traditional blackboard, shows multimedia courseware to students through its large-size screen of high-resolution, and allows teachers to write, to draw or erase on the screen, with all the content written on the screen recorded for later review and edition.



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## ■ General Package

The General Package adds Cloud Desktop System and Wireless Visualizer on the basis of the Basic Package.

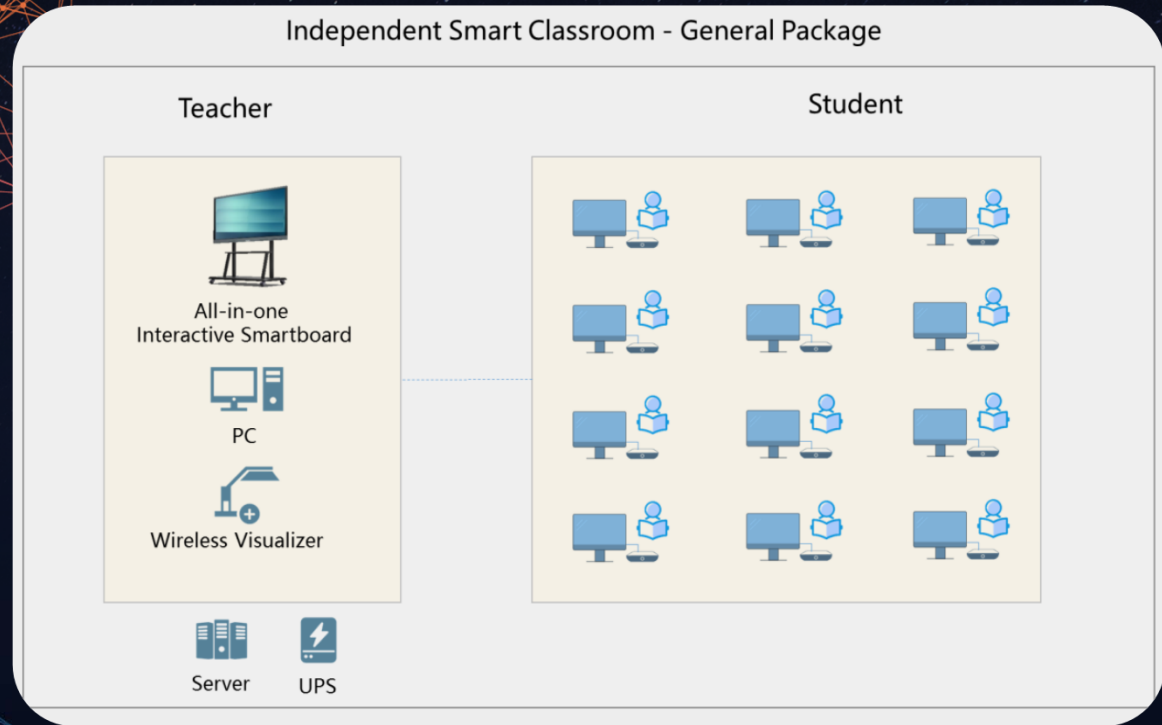


Illustration of Independent Smart Classroom Solution  
(General Package)



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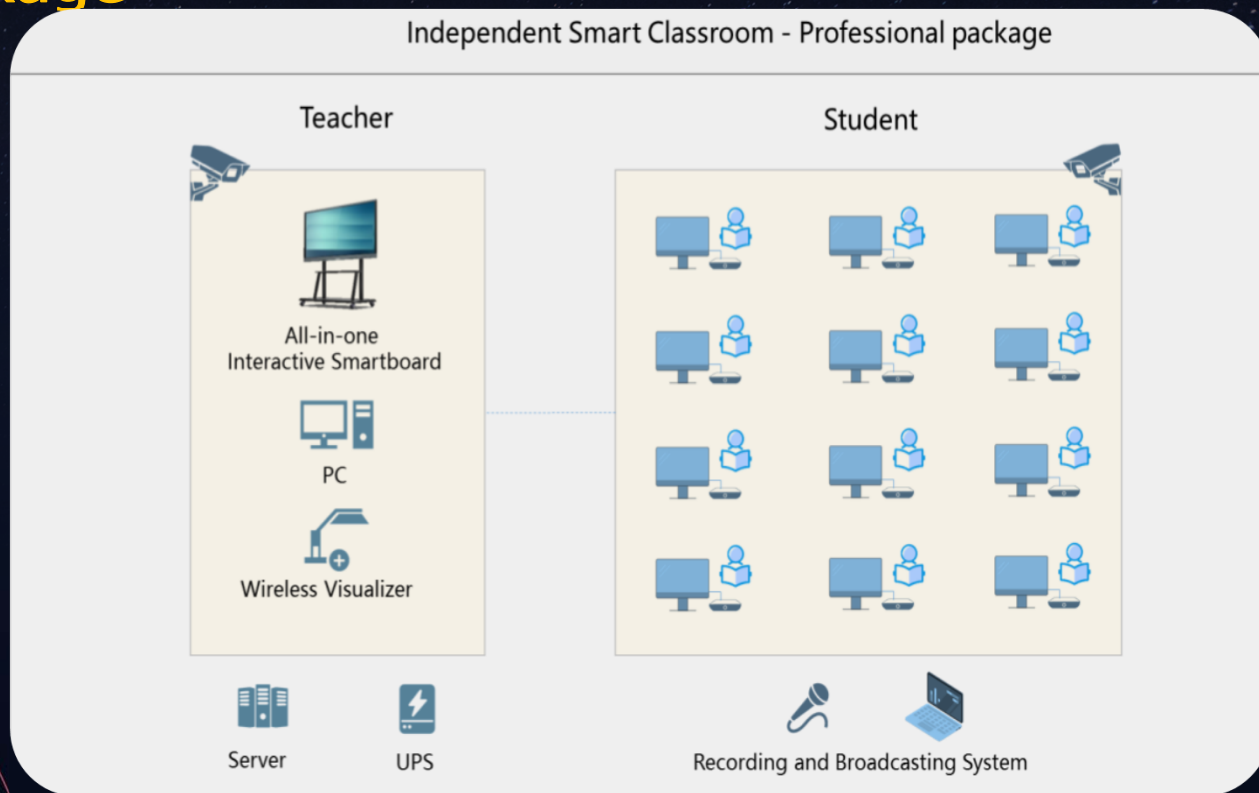
## ■ General Package

Through the Cloud Desktop System, teachers and students will be connected via their terminals, and an interactive teaching and learning environment will be achieved. During the teaching process, students are able to view teaching resource which teachers are presenting on their respective desktop screens, and to do class quizzes, to have discussions. Teachers can also use the Wireless Visualizer for real-object projection to the AIO screen, which is easier to attract students' attention and improve teaching effectiveness.



## ■ Professional Package

The Professional Package adds the Recording and Broadcasting System on the basis of the General Package. This system is used for the recording of quality course videos and further edition and revision.



26 Illustration of Independent Smart Classroom Solution (Professional Package)



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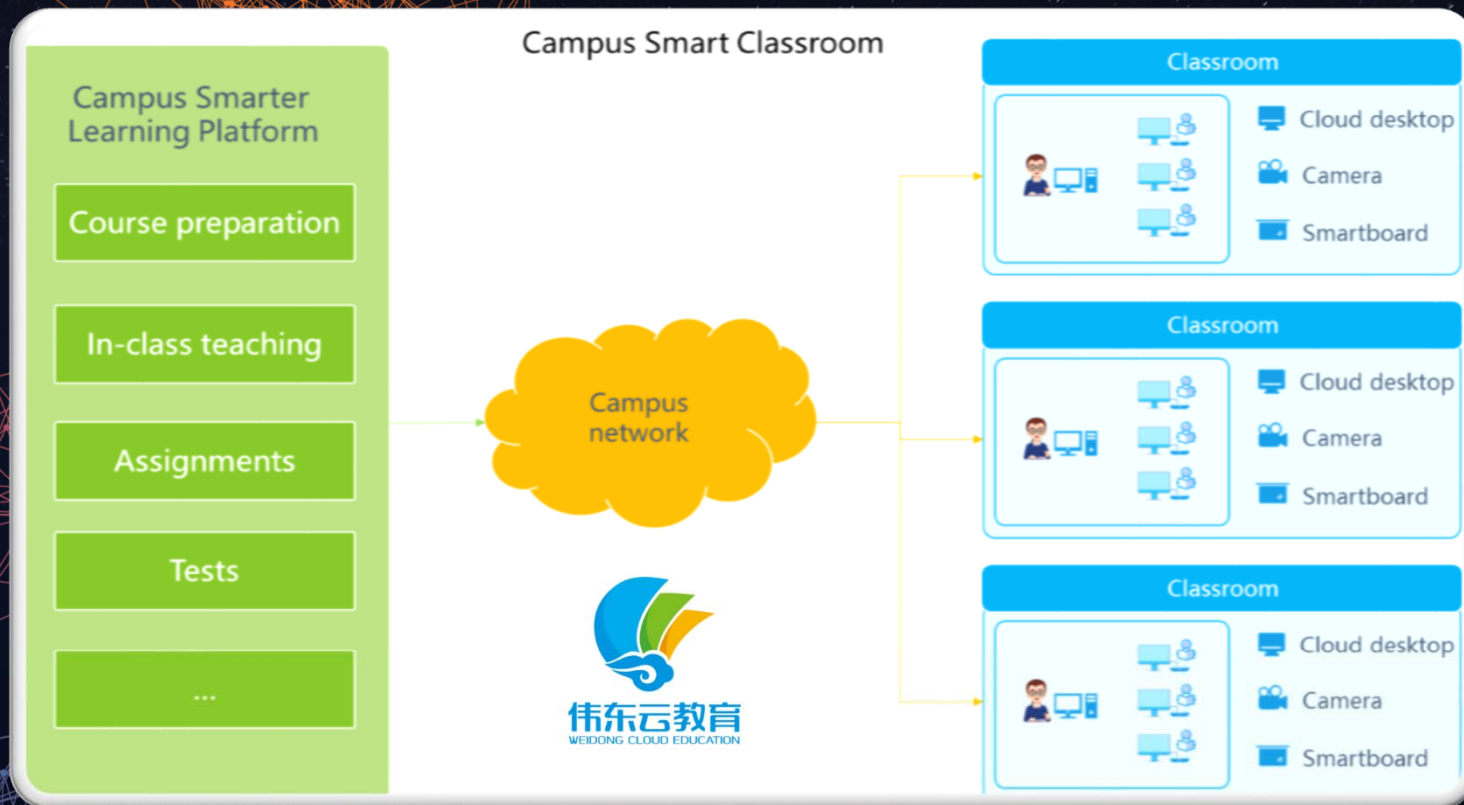
## ■ Professional Package





**SOLUTION  
2**

**Campus  
Smart Classroom  
Solution**



Campus Smart Classroom Solution is designed for schools with campus network. This solution provides an additional Campus Smarter Learning Platform which could run on campus network and get each smart classroom on campus connected.

# Campus Smart Classroom Solution

## Online course preparation

It allows teachers to prepare courses online via campus network, to share and use enriched course preparation materials of various formats and content, which could help enhance teaching efficiency and effectiveness.

## Online teaching

Online teaching refers to two forms, one is Synchronous Class which allows students at different classrooms on campus to receive the live broadcasting of the whole teaching process that is happening in one of the smart classrooms; and the other form is Asynchronous Class which is also called on-demand broadcasting of recorded teaching videos. Both live broadcasting and on-demand broadcasting are dominant ways to solve the problem of lack of teacher resource, to promote education quality and equity.

## Online test

It provides online test service for teachers and students. Teachers could make test papers in our system by typing and editing or just select questions directly from the question bank to form a test paper automatically without any further edition. Students could take the tests that teachers send to them online and get test result that our system generates based on their answers.



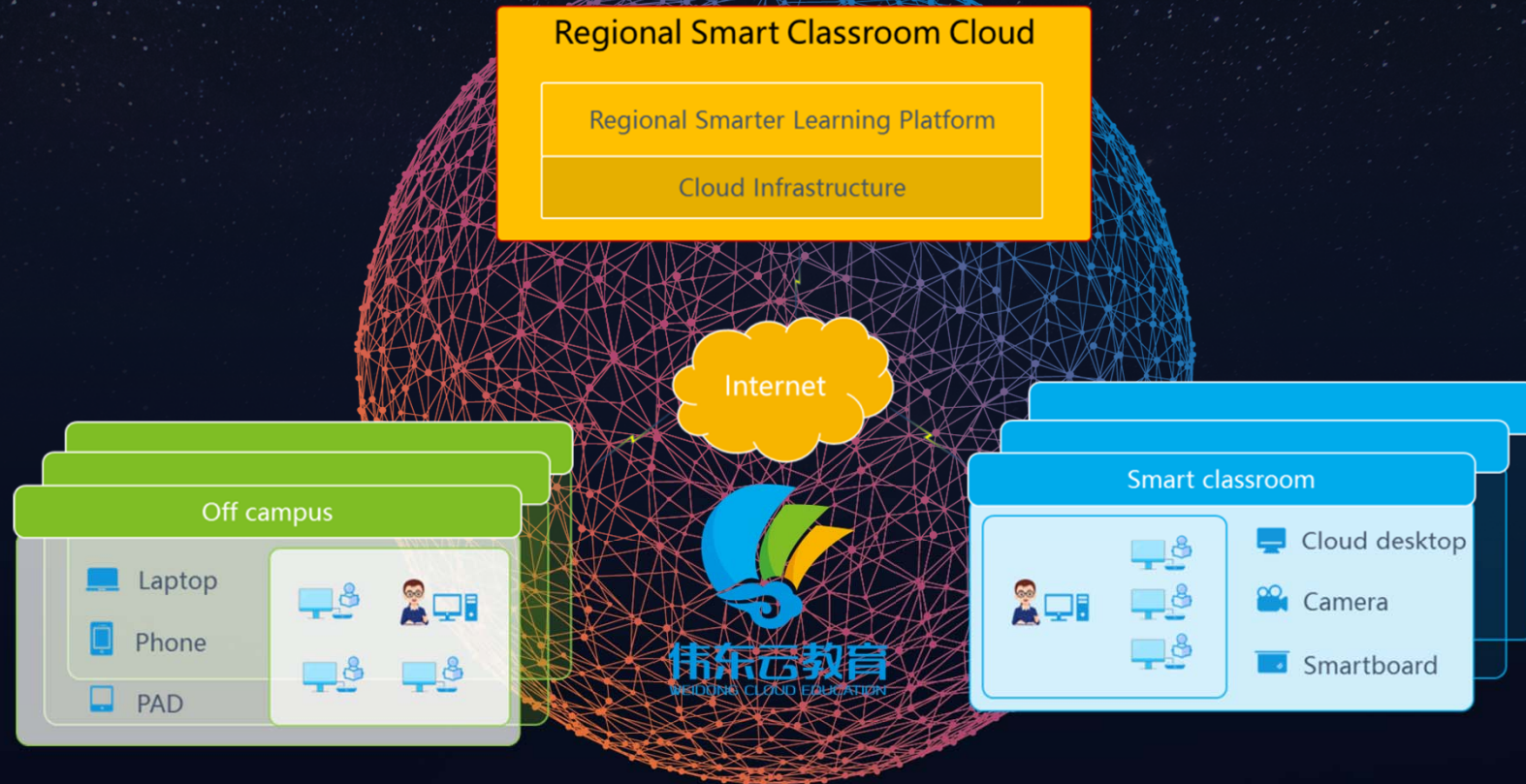


**SOLUTION**  
**3**

**Regional  
Smart Classroom  
Solution**



# Illustration of Regional Smart Classroom Solution





Regional Smart Classroom Solution is designed for schools with Internet coverage and adopt the mode of “Cloud + Terminal”, with the Regional Smart Classroom Service Platform deployed on the cloud, and get all smart classrooms connected across campus or schools via Internet.

Regional Smart Classroom Solution constructs an e-learning environment at regional level beyond the limits of time and space, allows many learning models such as ubiquitous learning and autonomous learning either on mobile devices or personal computers. Regional Smart Classroom Solution enables effective teaching management. Teachers could prepare courses via mobile devices or personal computers anywhere at any time, and build cross-school resource repository, explore innovative teaching models and implement creative teaching strategies.



### Online course preparation service

### Educational resource service

It contains services like cross-school resources gathering, management, retrieval, sharing, application and others. Through the construction of a standardized and open educational resource service system, it integrates all types of educational resources so as to achieve the sharing of quality educational resources to a greater extent.

It provides Internet-based course preparation tools and accurate search and retrieval service of teaching resources for teachers. Teachers can prepare courses conveniently and efficiently. The prepared courses could be generated in the form of package and will be automatically synchronized to the Smart Teaching software.

### In-class teaching service

It allows live broadcasting and on-demand broadcasting of classroom teaching and learning behaviors, through which more students will benefit from the quality courses that those excellent teachers deliver, and this is an effective way to help solve the problem of imbalance of teacher resource among schools.

### Online test service

It provides a question bank and the functions of test papers making, online testing and answers reviewing. Through online tests and test reports generated by our system, teachers could get a quick and direct diagnosis of students' acquisition levels of knowledge, and educators could have a better understanding of the overall academic performance of students in their regions.

### Online learning service

It refers to services of before-class preview, after-class review, assignments and others. It also allows students to learn anywhere anytime outside the campus. Students preview the learning materials before class, review teaching content after class, and do assignments on line.

### Personal Space service

It builds personal spaces for teachers and students in order to establish a communication channel between them, where they can create or join in Learning Circles to share knowledge, to learn through collaboration and grow together.



**SOLUTION  
4**

**Data Analysis  
and Statistics  
Service**

# WEIDONG SMART CLASSROOM DATA SERVICE



**Data Service For Education Administrators**



**Data Service For Teachers**



**Data Service For Students**



## Data Service For Education Administrators

- Course Progression Monitoring
- Student Attendance Reporting
- Course Evaluation
- Teacher Evaluation
- Teaching Resource Usage Reporting





## Data Service For Teachers

- Course Delivery Log
- Analysis of Exercises Results
- Assignment Completion Reporting



## Data Service For Students

- Attendance Recording
- Exercises Results
- Assignment Comment

# Characteristics



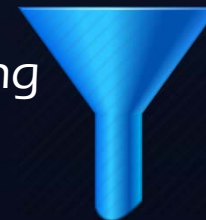
□ Data Visualization



□ Data Precision



□ Data Filtering





**SMART CLASSROOM SOLUTION**