

A World School is Coming

Istanbul Technical University; At the time of the Ottoman State and during the reign of Sultan Mustafa III.(1773), started to train specialist workers to build ships and make nautical maps with name of Mühendishane-i Bahr-i Hümayun. With 247 years of experience, it started to create synergy with young's energy, in Ortakoy. At our school, we have world-class vocational education like ITU's education. Our school educates person resources on worldwide, under ITU brand.

Why should we choose ITU Ortakoy? Because everyone at ITU Ortakoy, will be important person, in 2030s. They aren't learning by memorizing, they are learning by applying. They will produce technology with added value with self-confidence, communication skills and analytical thinking, given by ITU. ITU Ortakoy's students even started to develop education products with AR technology. They have academic advisors at ITU. They visit their advisors, they drink tea, they chit-chat, they make projects and the most important they discuss future. Our students: can take a class on edge of the Bosphorus everyone loves, with seagulls and cats.

In next couple of years, pur skilled youngers will make Ortakoy into a science and research centre with their explorations and inventions. And they will make ITU Ortakoy into entrepreneurship centre's start point in education, with sectors.

In our December issue, our students' interviews with Besiktas District Director of National Education Nesrin KAKIRMAN takes a part. In the next issues, new interviews will take a part. We prepared a leasant bulletin you can receive news from our school. Have a nice day!

For Social Activity Team
School Principal Prof. Dr. Hüseyin TOROS

- We chatted with our Besiktas District Director of National Education about education. Firstly ITU MTAL screened vocational high school student model to positive way with ASELSAN. ITU MTAL enhanced vocational high schools' quality and people's expectations. Details are in the page 6.



- The fact that our students can communicate with their advisors at a young age offers chance to develop their academic perspectives about future. Our students visit their advisors, they drink, they chit-chat, they make projects and the most important they discuss future. Details are in the page 5.



ITU Ortakoy seminars

- On december 5, 2019, ITU Aeronautics and Astronautics Meteorological Engineering academic member Prof. Dr. Mikdat KADIOĞLU gave seminar of "Temel Afet Bilinci" (basic disaster awareness), at our school. Kadioğlu, who has international works, in his speeches', said measures should be taken for life and property safety. (News by: Halil Yusuf Solak)



- On December 31, 2019, ITU Institute of Informatics Satellite Communication and Remote Sensing U.S.A Academic Member Dr. Mustafa HELVACI; gave seminar of "İnsansız Hava Araçları Uçuş Sistemleri" (unmanned air vehicles flight systems).



Our singularity is the togetherness of mind and love rather than togetherness of person

LESSONS

Rising Generation continue to improve Their Knowledge

• İTÜ Ortaköy MTAL students don't say stop learning, we study to be professionals. Our biggest goal is being individuals on world scale so our school principal and our teachers help us. For this purpose, we have English and German courses. English courses are very helpful for us to revise and improve our vocabulary knowledge. For the German courses they are great opportunity to learn second language. During these days the world accepts that everyone must know English so we need to learn another language to be one step ahead. Besides the Irish author George Bernard Shaw said once "The one who doesn't know her own language is not able to learn another language". We believe in this theory so we have diction courses under the leadership of our Turkish lecture teacher. We aim that we can use our language in a proper way.

Virtual Reality from Augmented Reality in İTÜ MTAL

• Virtual reality and Augmented reality courses start in our school. This courses will continue for sixteen weeks. The mobile applications made by our students are exhibited in our school. In our first lesson we make simple applications with HPreveal program. Following weeks we starts making AR applications with using UNITY program. And then we are going to start applied virtual reality and in these lessons we make VR applications. Virtual reality means "The computer-generated simulation of a three-dimensional image". In the past virtual reality communes with science fiction like in the "Matrix" film but now it turns out virtual reality is in our daily life. In this technology the person cuts his connection with the real world and replace the main character. AR isn't a totally virtual view it supports with sound, view, graphic and GPS data who produce by computers. By this way real image will be more useful. We aim that VR and AR can be used and produced in İTÜ Ortaköy MTAL.



Our Masjid is Opened

• We opened masjid in our school with contributions of our parents. Masjid has got 2 parts for girls and boys. We would like to thank parents for their contributions.



İTÜ Ortaköy Vocational and Technical Anatolian High School brings a new dimension to vocational high schools, and reduces the university discipline and perspective to high school level. It is important and valuable for ITU, a long-established university, to reveal its new generation school vision

(Mehmet Önder, Uyumsoft)

We Play Ping Pong

- Doctor H. Ömer TONTUŞ, who is in İTÜ Ortaköy MTAL's counsel team, give ping pong table as a gift so we are having a good time.



Those who do not learn their art from the master cannot learn.

Skills are Exhibited in İTÜ Ortaköy MTAL

- Yakacık Vocational and Technical High School's teachers and students make a thirty easel for İTÜ Ortaköy MTAL. Thirty easels to use in lessons. We would like to thank Yakacık Vocational Technical High School.



Education with Animals

- While we were listening lesson, cats come to class and sometimes they were sleeping.



Recycling

- Beşiktaş municipality give a lattice for plastic bootles as a gift. So we can collect plastic bootles easily. We can see lattice in garden so these contribute for environmental consciousness.



School Trips

- Students from other schools visit our school to become İTÜ Ortaköy MTAL's student next year. These trips are expected to peak in April and May. We will also have promotions on certain days later. We want students who will prefer our school to have an interest and abilities in the fields of Maritime, IT and Electricity-Electronics.

Now our school is accepting students according to LGS scores. Both ITU employees and ITU graduates help ITU Ortakoy MTAL students to reveal their skills.

- We hosted Private İdare High School's students, teachers, and school administrators from Tekirdağ with our social activity team on December 13, 2019.



- We hosted the students, teachers and school administrators of Boğazhisar Schools with our social activity team on Thursday, December 12.



Ankara Trip

- Our travel started on December 14, 2019. We went to Ankara for Mustafa Kemal Atatürk's 81st death anniversary. We arrived in Ankara on Saturday morning, and we had breakfast. After the breakfast we went to Anıtkabir, first, we putted wreath in mausoleum with ceremony. Then our school's vice principal Uğur Özalp signed guestbook. Accompanied by a guide, we toured Atatürk's library, personal goods, gift goods and various works. Next we passed Aslanlı Yol and toured Liberty and Independence Towers. Respectively we passed Victory Tower, İsmet İnönü's Tomb and Peace Tower, and we finished Anıtkabir trip. We visited second Grand National Assembly of Turkey (Republic Museum) we toured parliament building with guide. We set off towards Etnografya Museum. In this place we visited Atatürk's temporary tomb and toured the museum. Afterwards we had lunch. Lastly, we visited Mehmet Akif Ersoy's house and we finished the trip. We set off towards Istanbul and we returned to Istanbul on Saturday night, December 15.





I Consult My Advisor

- My advisor Prof. Dr. Bülent İNANÇ and I have two projects in this 'I Consult My Advisor' project. I went to meet with my advisor with my undeveloped ideas. He hosted me very well. We talked about connection between biology and electric. And then I shared my ideas with advisor. He told me what can I do and What to look out for. In the two months after the meeting, I thought about how to improve the project on the advice of my advisor. I have finally put the project in a serious position, and I requested another meeting. We talked about the final touches of the project. He helped me to develop new ideas. The best part of the project is that the people who have succeeded is doing mentorship for us. It is very nice support that we have expert people. I hope in the future, we will do good things. (edited by Kayra Koray YILMAZ from Prep/C)



Since vocational and technical education constitutes one of the most important types of education that affect the economic development of countries, the process followed in history also reflects the economic transformations of countries. (Prof.Dr. Mahmut Özer)

Interviews

We talk about education with Beşiktaş District National Education Manager Nesrin KAKIRMAN.

• Can you talk about yourself ?

I came here from Deputy directorate of National Education in Ankara. I worked there for two and a half years. Before that, I was a deputy national education in İstanbul. Before that, I was manager in schools. Even before that, I worked as a expert in 'Talim ve Terbiye Kurumu'. I wrote a curriculum and at the same time since my branch is history, I worked as a history curriculum writer. I wrote book. Before that I was a teacher. I worked as a teacher for seven years. After teaching as I just mentioned, I was assistant manager. And I have been working as director of national education in Beşiktaş for about a year. I graduated from İstanbul University. I have master degree in sociology at Marmara University.



• Thank you. Can you give us advice from your student years, sir?

I do not know how much it matches with you but I am proud to say that I graduated from 'Cibali Şehi İlhan Varank Anadolu İmam Hatip Lisesi'. There was a literature teacher in high school in The Unkapanı; Mrs. Ayşe, she made us read world classics from first year of the school. She had been our teacher for three years. I want to tell a memory that I lived in. Mrs. Ayşe was making us read book and she was checking. She was asking questions about the literary currents in the lesson's content. Or she was asking questions about the literary currents of the novels. That gave me big advance. I can still easily answer the questions in exams especially Turkish literature questions. I took the ALES exam in the past years. I can say that I can still answer the questions about reading.

I went to quick reading techniques course at the university. While I going to course I got little different. My teacher asked 'how many book is you reading'. I was reading few books at the time but When I go back and listen, I understand it is helping quick reading and most important advantages are understanding What you are reading and be able to make long meaningful sentences. Because of your age I always want to give an example from high school. Because in our time there were not many courses. Courses to win universities were few. Number of the people who attend courses were less than average. Three or four people

İTÜ Ortaokul Mesleki ve Teknik Anadolu Lisesi,

from each class were going. In high school my class were 24 people and just six of them were going to course. The remaining 18 people were working on their own. Not only the literature branch, but also our mathematics teacher was teaching. I'm middle school, I had a mathematics teacher Mrs. Nebahat. I never forget her to. You know those times there were separate periods for each lessons, it was not like it is now. Mrs. Nebahat was giving homework about whatever subjects she had done after the end of the semester. It was like that; we were making least fourth questions and then we were answering them. It was exhausting at the time, but I have seen a lot of benefit in my after education life. Teachers who you think are forcing you are actually preparing you for life. Your sense of responsibility is improving and learning how to use information.



• We found that you care about workshop and seminar for teachers and managers work in our researches. What is the reason you give priority? Do you plan to organize seminars for students?

I started to job last year's December. I visit school from morning to afternoon. If school principal and students approve, I visit classrooms to. After I started to job I said 'My door always open; student, teacher school principal worker, institutions .I said If something suddenly happens you can come without an appointment. Just know that I am here. But if you come like that you may wait. If you are going to have a private conversation, I will return you as soon as possible. When I talked to the teachers, I realized that; teachers have this this thought: "They came again, asked how are we. We said we are fine. They said how is it going. We said we are good." Because there is not much chat between teacher and manager; because usually we managers do not want to hear problems. But when I look to the teachers they said they want to go education. I asked what do you exactly want. Because my purpose to be here; you ask, we do. Especially classroom teachers." there are students who have difficulty in reading and writing. There are mainstreaming. We want to learn what can we do "said. I made a survey about this training. I asked teachers what training they want. We have one thousand eight hundred

teachers, working in official institutions and we have total of three thousand seven hundred teachers in Beşiktaş Our priority is teachers who works in a public school. We received feedback from one thousand eight hundred teachers. We opened course that one hundred people want and two people want. We sorted them in a order of request and we researched the educators. We found experts in the desired training area. we wanted teachers to be pleased because we did it for the first time. I mean the people who give the education to teachers were not random. I had software program made. I activated the program and opened it to teachers. I said to teachers; whoever wants what training, whoever wants what seminar; oryantiring, mountain walk, volleyball, basketball, football, choose whatever you want but you must choose. You must choose least three. We started this way. And we took the feedbacks. Because if we do not measure the work we won't see how far we have come. We received feedback at eighty six percent. And that is how we started repeating it. Such work has been started all over Istanbul. It's been a great pride for us. Of course I think for the students to. Firs table dear minister has saying "if you do not feed the teacher, teacher eats student". These trainings will continue. These trainings will come to academia all the time, since we do not want to keep their teacher friends from the course, they will become ordinary at the beginning of the semester, at the end of the semester or in the interim periods. We also work for our fellow students. We are at the stage of making a protocol with TÜBİTAK. The purpose of this protocol is to send it to those camps as Tübitak will benefit from science camps. Now that process is about to end. And starting in January, we will send high school group students to the camps of TÜBİTAK, where our teacher friends can direct us. Again, we consider design - skill workshops for our design. The majority of his sponsorship jobs are currently completed. We are slowly starting to install them. Two have already started. I will start opening at least three or four in all our schools. There is a disadvantage after Beşiktaş alone. It is necessary to evacuate when you reuse nine institutions after the conditions you are close to and before the expected Istanbul earthquake. Our institutions are currently at a very high number of institutions that go to dual education, especially primary and secondary education. These schools somewhat limited our work. Under the presidency of Ali Canik OLGUN, museums can be visited as a sponsor for one hundred students. Then that sponsor will turn to us and make a design-skill workshop. We made a protocol with the Bilge Adam group. With this protocol, we are launching trainings in five schools. According to their fields. In addition to this, we are launching laboratory institutions and teacher trainings in our schools, which have informatics fields such as Mehmet Ali BÜYÜKHANLI, and our schools with informatics infrastructure such as İSOV Dinçkök, Yeni Levent Anatolian High School, Rüştü Akın MTAL, and more. In April, we will train about one hundred and twenty-one hundred and thirty teachers under the name of digital academy, full-time and with students. We are planning to hold a youth workshop on students in the spring term. So it will be like TEDEX youth meeting. We have started his

planning at our guidance and research centers a bit. We will start this month. Certain topics will be given to students. Your peers will participate in conversations similar to this TEDx speech in all high schools within us, and even in Istanbul, in other districts that are your peers outside. We will make you talk about any topic you are interested in. We will not take speakers from outside. It's completely under your control. We have vision meetings, we started last year. The first meeting was about artificial intelligence. It will continue like this. There are many things like that, but we will do all of them without tiring teachers and students. Because when you suddenly load too much, you cannot get your money. We will do it without cooling, both physically and mentally, as well as athletes. Athletes warm up first and then they start their sports. But our run is not two hundred meters, ours is a marathon run. And in this marathon run, we will continue these processes by using our energy correctly and on time.



- **What are your thoughts on vocational high schools?**

Now, we know vocational high schools as institutions that always train intermediate staff - I apologize from your institution, from your personal and student identity. The expression of the intermediate staff necessarily brings with it a different point of view, that is, a negative point of view of our teachers who teach there. Turkey has now passed into the territory of the country's agricultural industry. The world even went from agriculture to industry and passed from industry to the space age. We are experiencing the 5th of the industrial age, which we call artificial intelligence, right now with virtual intelligence. Therefore, unfortunately, in the vocational high schools, we could not reflect the change required by this age until the last years. There is a transition from 4.0 to 5.0, you know in the world. We are trying to capture even the education model in terms of industry 4.0. Therefore, our breakthroughs in vocational high schools were in this direction. In other words, that "intermediate element" expression has turned into a concept that has no equivalent in our dictionary, in your dictionary, in the dictionary of the society. In fact, the opposite turned into an opposed, offended concept. In this sense, moves are serious about it in Mr. Minister, our guidance and leadership in Turkey.

- **What do you think about us as İTÜ MTAL?**

İTÜ MTAL once reversed the student model going to vocational high school in this sense, with Aselsan. What was in the profile of students who went to vocational high school before? There were students who could not attend high school, go to high school or have a goal in this sense. İTÜ MTAL, established with the protocol with İTÜ, completely changed this perception. It has completely changed the orientation, quality and expectations towards the vocational high schools I have just mentioned. Our goal is to bring the continuation of this right now. In other words, the important thing is not to get to the top, but to stay at the top. To spread this summit process to other vocational high schools. So now you are your role model as İTÜ MTAL. Therefore, your identity, professional accumulation, experience and experience will come from here and affect other vocational high schools. When we look at Turkey's leading educational institutions have 4 walls, windows, dining hall, canteen ... It is becoming clear that the institution? A corporate identity, a demand for a continuous student. In this sense, I see that İTÜ MTAL is rapidly progressing to create a corporate identity. Demand will increase as you gain corporate identity. This is one of demand continues in this way will make Turkey's leading educational institutions continuously. It is so now, but the important thing is to make it continuous. Currently, the biggest job is yours. Your young people have to share your expectations, so your view is much more valuable than our view. If you don't want anything, the manager cannot do anything. Never settle for what is offered to you, provided that you fulfill your responsibilities.



- **Should the number of applied courses be increased in Anatolian high schools as well as vocational high schools?**

They know it has more academic high school titles. The format of science high schools is different, the format of social sciences high schools is different, the format of fine arts is different. If the answer to your question is only institutions that provide academic education, the answer to that question is different. Which one would you like to ask?

- **Chemistry means biology laboratory environment.**

You are asking academically educators. Now, Anatolian high schools are those who already provide academic education. Fine arts already have their own works, workshops and workshops; so is the sports high schools, science high schools are already fully aimed to raise scientists in this sense. In social science high schools, the format in Anatolian high schools, which takes students with or without an academic exam, is a bit different. Here, the school's relationship with the physical and social and stakeholders is involved. If a good climate is caught there, it does not matter with or without an examination. Along with the captured climate and cooperation with stakeholders, as I mentioned earlier, an infrastructure work can be done for him, including numerical lessons, including sports activities, including all branches, but the important thing here is that the school continues to cooperate with its stakeholder. no school management can do anything alone. If you act with stakeholders, young people, not as before, you were hiring a school administrator in previous periods. Because the expectation was that way, you were throwing a teacher. The ministry already sends the issues by collaborating with the teacher and the manager there. Books are certain, content is certain. Let me process those issues, let me explain these issues, I will examine the following subjects, I will give a diploma from those subjects. Students working in the remotest corners or educated in Anatolia no longer want such an education model. You know why? Let me give you an example. This year, Kabataş High School received one hundred and eighty students. One hundred twelve of these are our students from Anatolia. Look; It took one hundred and eighty students, one hundred and twelve of our students from Anatolia. So this student profile exists everywhere. In other words, it is only for Istanbul, not for Beşiktaş. We have students from Tunceli Çemişgezek. We have students coming from Silvan district of Diyarbakır. Now the student knows what he wants in this understanding. If you do not act here as a ministry with your stakeholders, as a school administration, as a district administration or as a provincial administration, you will remain in a vicious circle and be left out because we cannot respond to your expectations. Institutions need to cooperate with each other in order to meet the expectations of the youth. Institutional cooperation is essential to increase the institutional capacity. This will only happen with stakeholders.

That's all, Thanks for answering our questions.

(Interviewers: Kürşat MİS, Havin Ada SATIR, Hamza Eren DENİZHAN)

Lecture notes, exam results, intelligence tests and salaries of professions acquired after graduation cannot be the only measure of success in education.

(2023 Eğitim Vizyonu)

The Links we Choose for You

- You can reach the conference given by Dr. Mustafa HELVACI on "Unmanned Aerial Vehicles" at our school on December 31, 2019 from the link below. <https://www.youtube.com/watch?v=iXdar4AmVQ4&t=2420s>
- You can access the "Earthquake Preparedness and Basic Disaster Awareness" conference given by Prof.Dr. Mikdat KADIOĞLU on 5 December 2019 at the link below. <https://www.youtube.com/watch?v=Hq5ckdnOc0U&t=17s>
- You can access "Vocational Training Panel within the Framework of 2023 Vision Document" held on October 23, 2019 by Serkan GÜR from Istanbul National Education Directorate, Prof. Dr. Hüseyin TOROS from İTÜ Vocational and Technical Anatolian High School. Dr. Ömer TONTUŞ from Istanbul Technical University, Mustafa BUYUKDEDE from Istanbul Chamber of Commerce and Hakan ÇOBAN from Istanbul Chamber of Industry. <https://www.youtube.com/watch?v=AC8vsvbrzIY&t=1018s>
- The sector believes that İTÜ Ortaköy MTAL will develop products with high added value. https://www.youtube.com/watch?v=O_lYX_-88mg



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