

**O‘ZBEKISTON RESPUBLIKASI AXBOROT  
TEKNOLOGIYALARI VA  
KOMMUNIKATSIYALARINI RIVOJLANTIRISH VAZIRLIGI  
MUHAMMAD AL-XORAZMIY NOMIDAGI  
TOSHKENT AXBOROT TEKNOLOGIYALARI UNIVERSITETI**

**Akustika fanining nazariy asoslari fanidan**

# **4-Topshiriq**

**Mavzu: Fonli audio kontent tayyorlash.**

Bajardi: Fayyozbekov Erkaboy

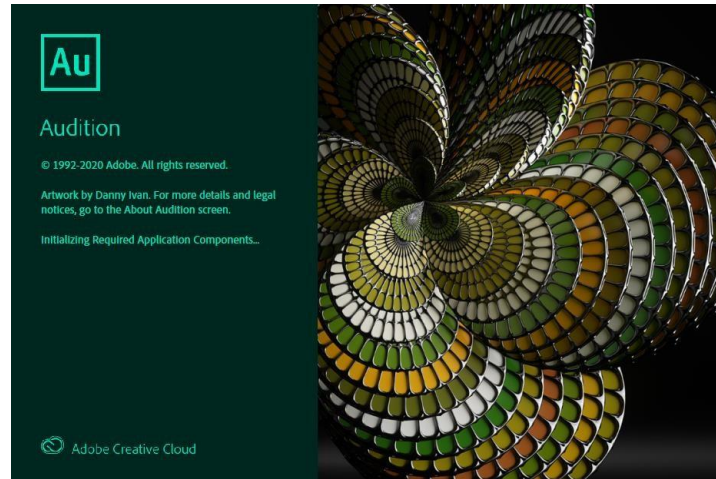
512-18 gurux talabasi

Tekshirdi: Bobur Boymurodov

## 4-Topshiriq

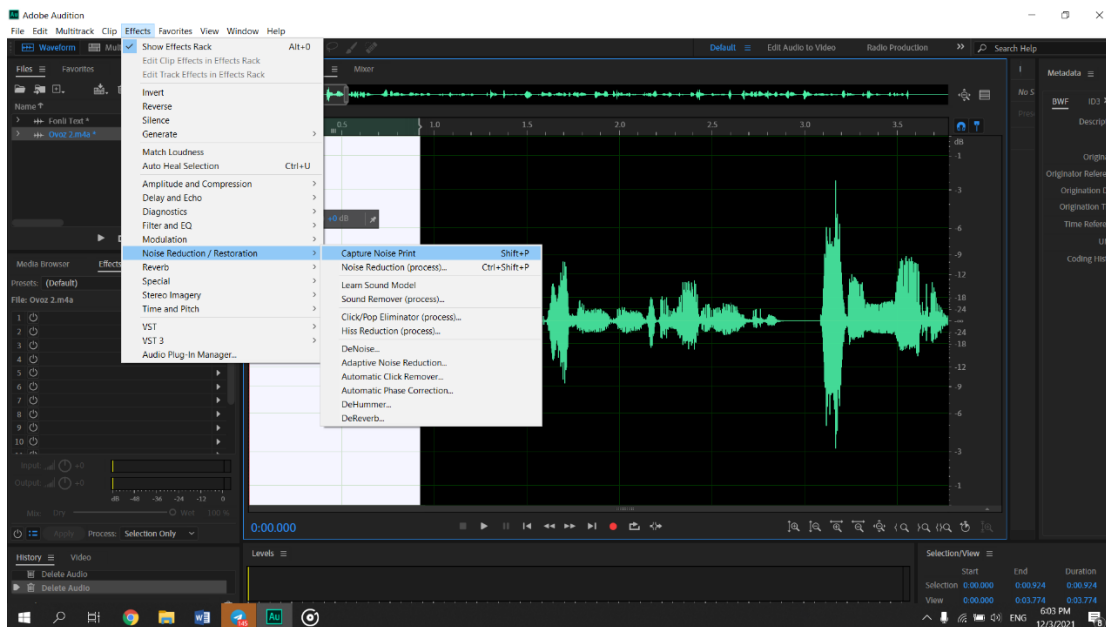
Mavzu: Ovoz yozish studiyasida audio kontent tayyorlash.

Bu topshiriq davomida biz ovoz yozib olamiz va shu yozib olgan ovozimizni filtrlaymiz va fon qo'yamiz. Dastlab ovoz studiyasida ovoz yozib olamiz. Ovoz yozib bo'lganimizda so'ng dastlab dasturni ishga tushirib olamiz.



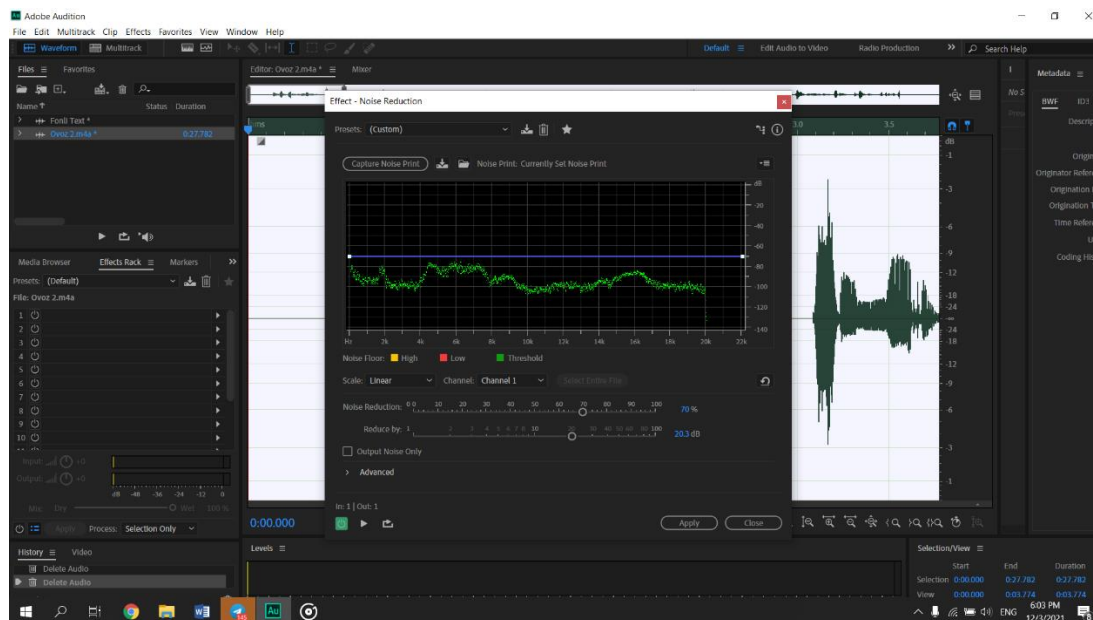
1-rasm. Adobe Audition dasturini ishga tushirish.

Dasturni ishga tushirib olganimizdan so'ng yozib olgan ovozimizni dasturga import qilib olamiz. Va dastlabki qiladigon ishimiz shovqindan tozalab chiqish bo'ladi.



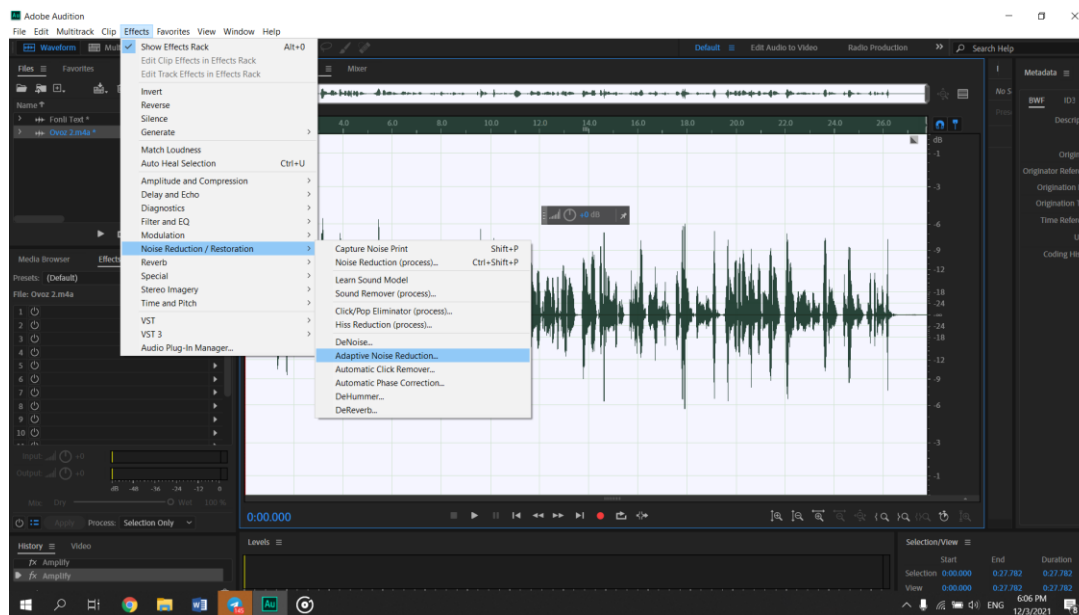
2-rasm. Shovqinni belgilab olish

Shovqinni belgilab olish uchun effects bo'limidan Noise Reduction / Restoration dan Capture noise print bo'limini tanlashimiz yoki “shift + p” tugmasini bosishimiz kerak bo'ladi. Bundan so'ng effectni ovozning barcha qismiga qo'llash uchun track ni barcha qismini tanlab olamiz. Va bundan so'ng “ctrl+shift+p” tugmasini bosamiz va 3-rasmdagi oyna ochiladi.



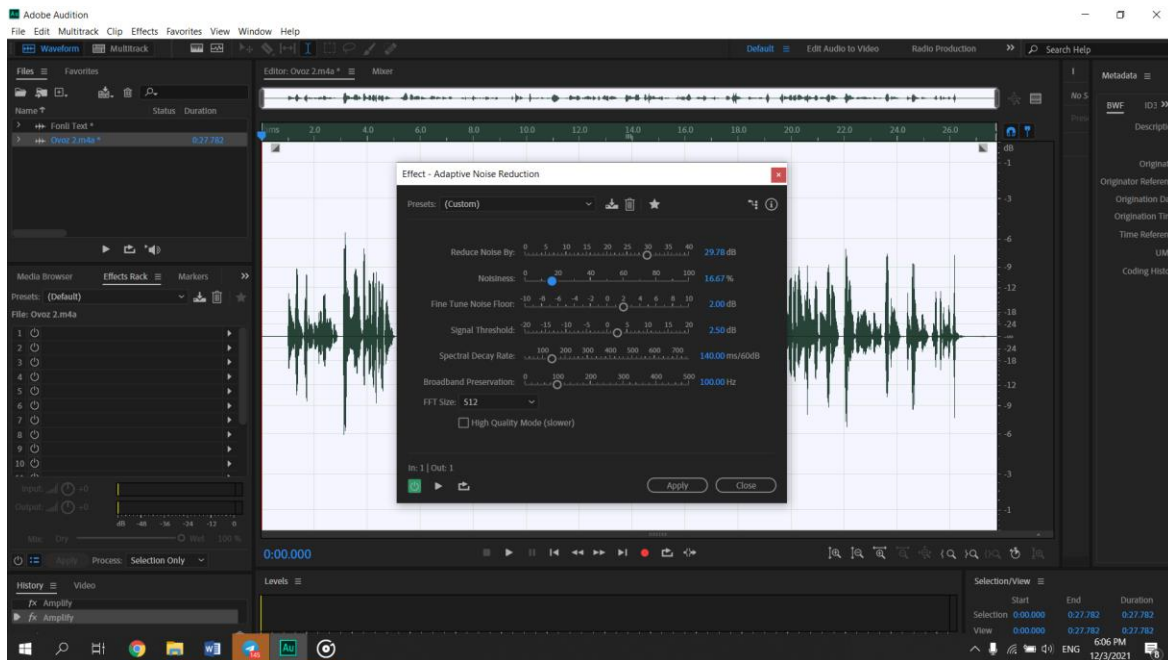
3-rasm. Noise reduction oynasi.

Bunda keginigi foydalanadigon effectimiz yana Noise Reduction bo'limidan Adaptive Noise reduction bo'ladi.



4-rasm.

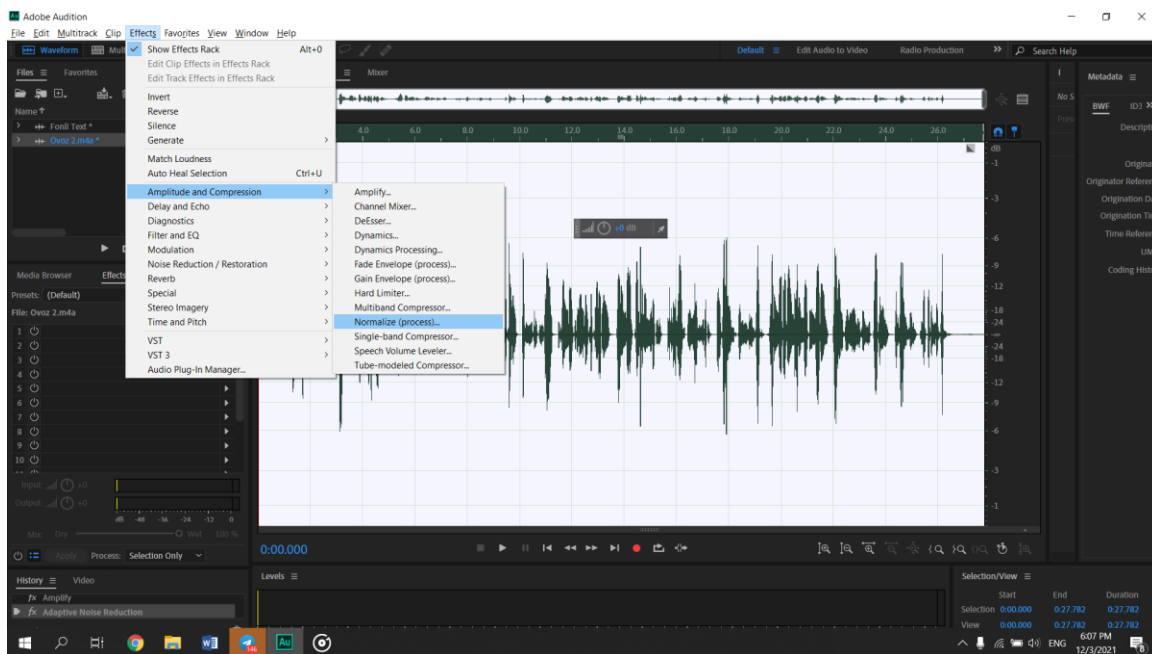
Bundan so'ng quyida oyna ochiladi.



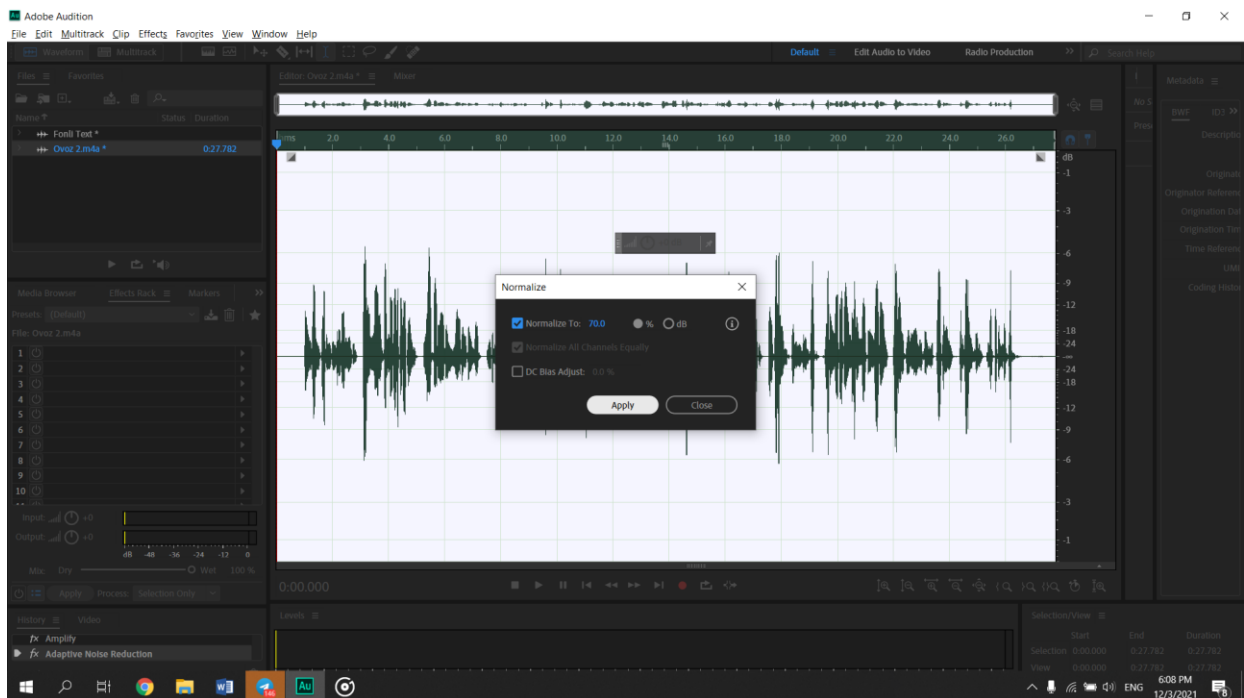
5-rasm

Bu oynda biz ovozimizni birqancha parametrlar bo'yicha sozlashimiz mumkun bo'ladi.

Bundan so'ng Amplitude and Compression bo'limidan Normalize effectini tanlaymiz. Bu effect bizni ovozimizni balad pastligini normallashtirib beradi.

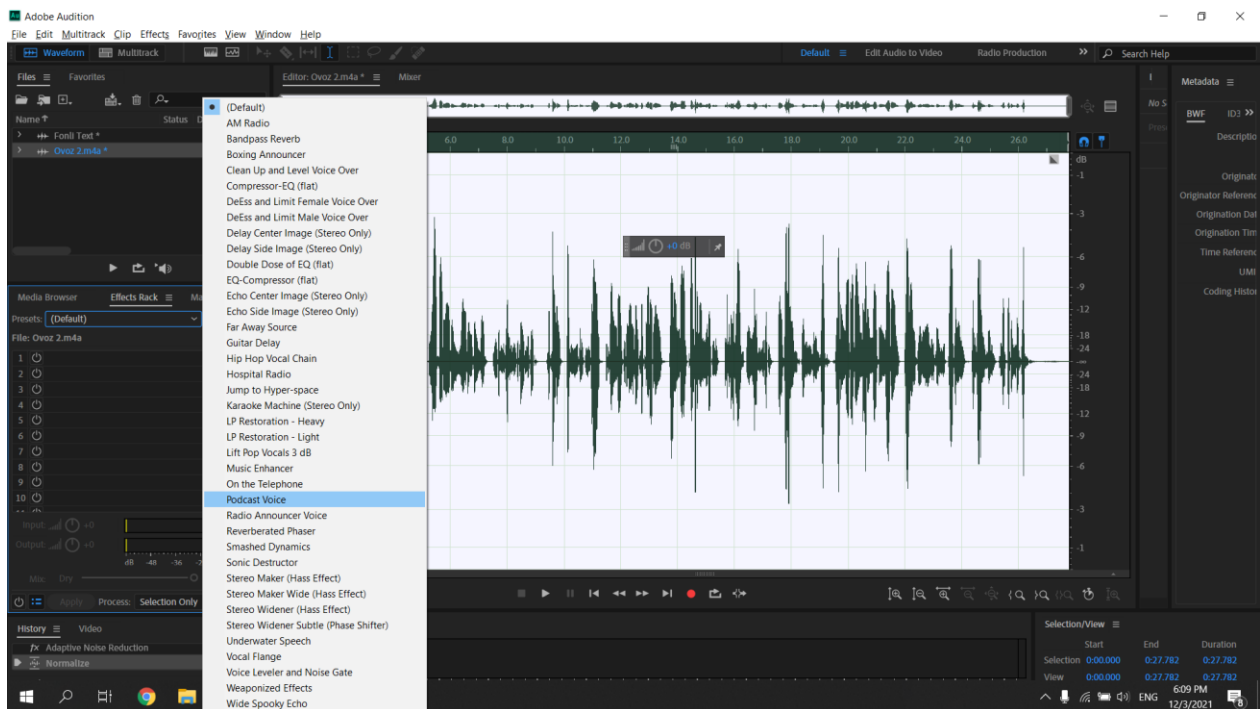


6-rasm



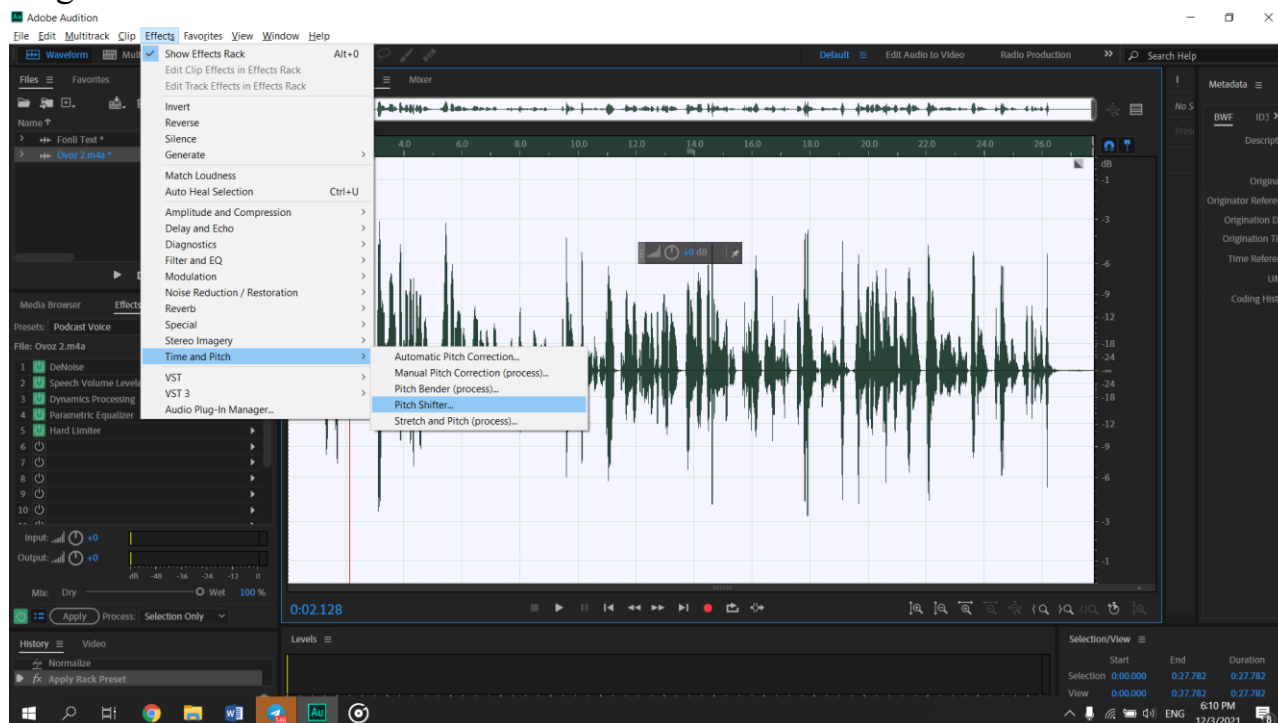
7-rasm.

Bundan so'ng effects Rack oynasidan effect beramiz. Bu effectimiz bizga radio eshittirish effectini beradi . Buning uchun podcast voice effectini tanlashimiz kerak bo'ladi.

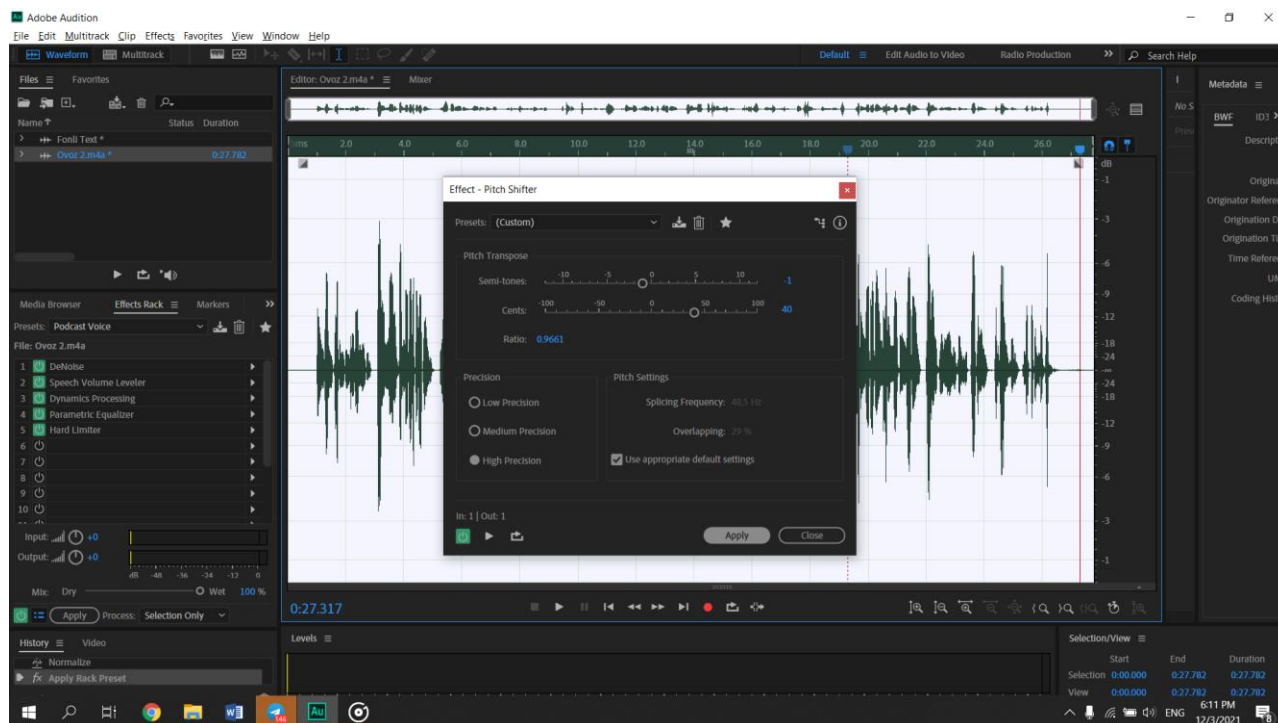


8-rasm

Bunda so'ng effects bo'limidan Time and Pitch bo'limiga kiramiz va bu yerdan Pitch shefter effectidan foydalaniamiz bu effect bizni ovozimizni tonini o'zgartirishimiz mumkin. Biz bir oz balandlashtirib olamiz.



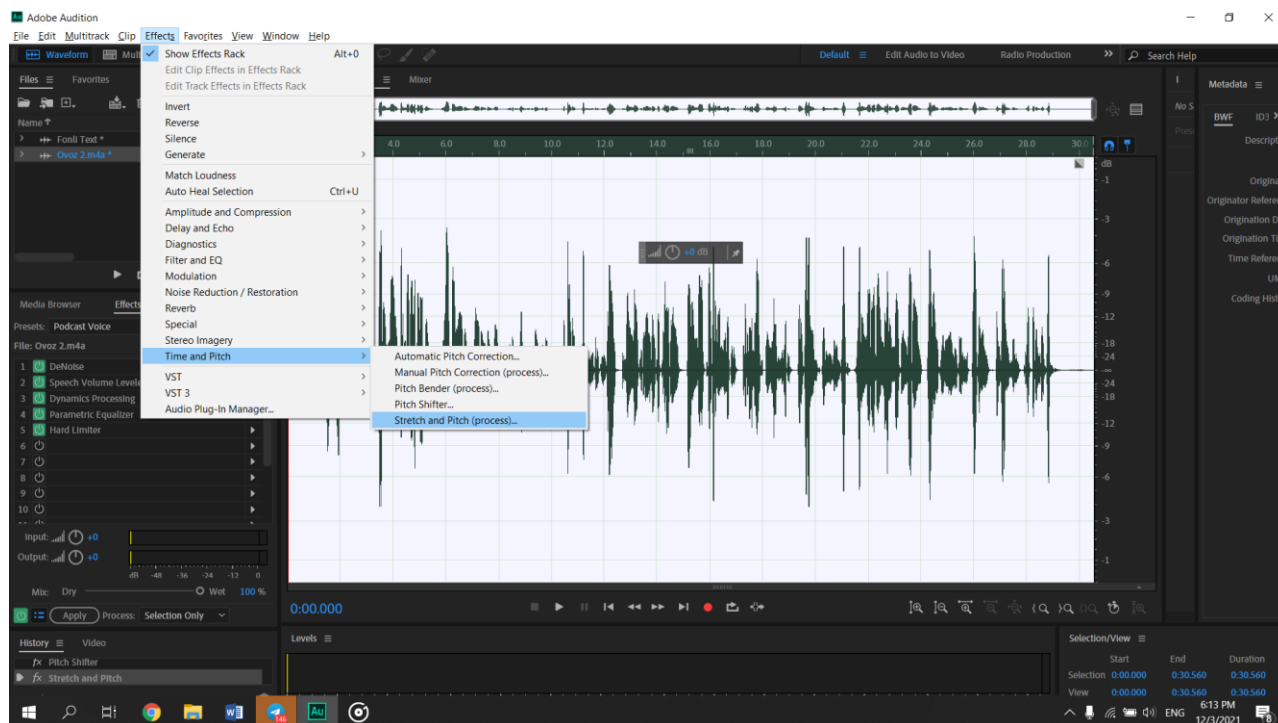
9-rasm



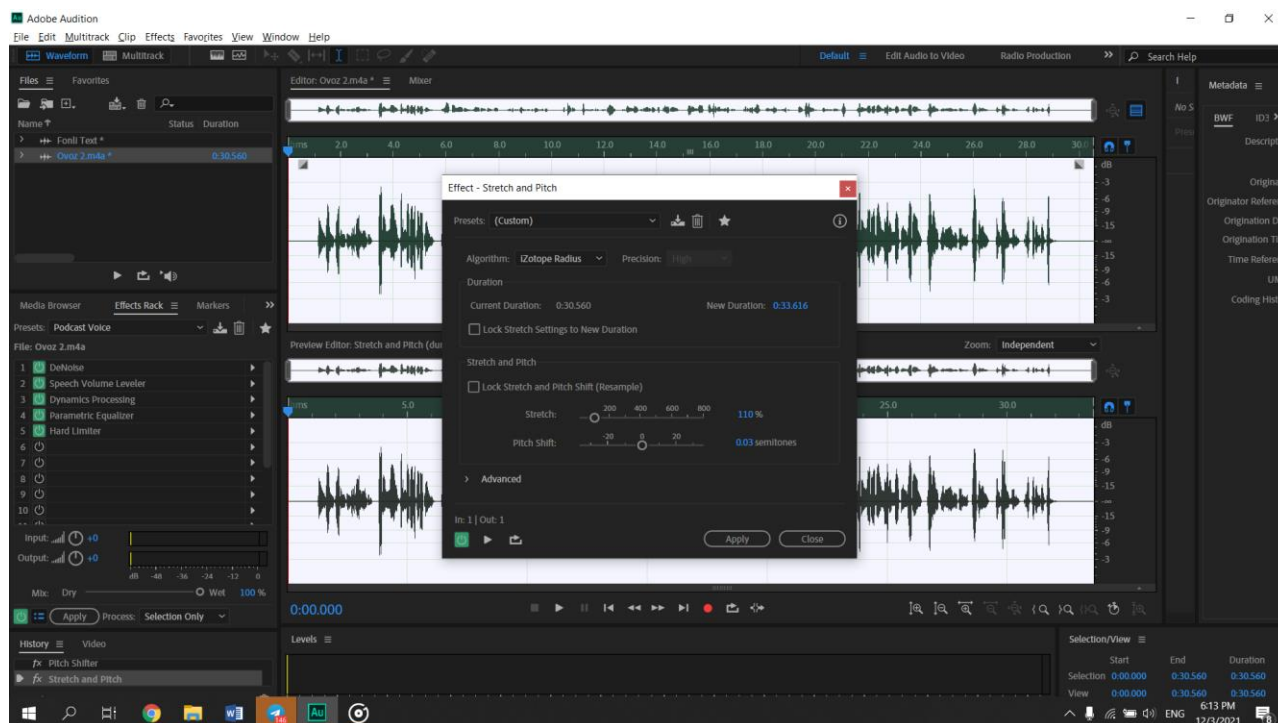
10-rasm



Bunda so'ng biz shu bo'limdan Stretch and Patch effectidan foydalanamiz bu effect yordamida oudioimizni bir oz sekinlashtirib olamiz.

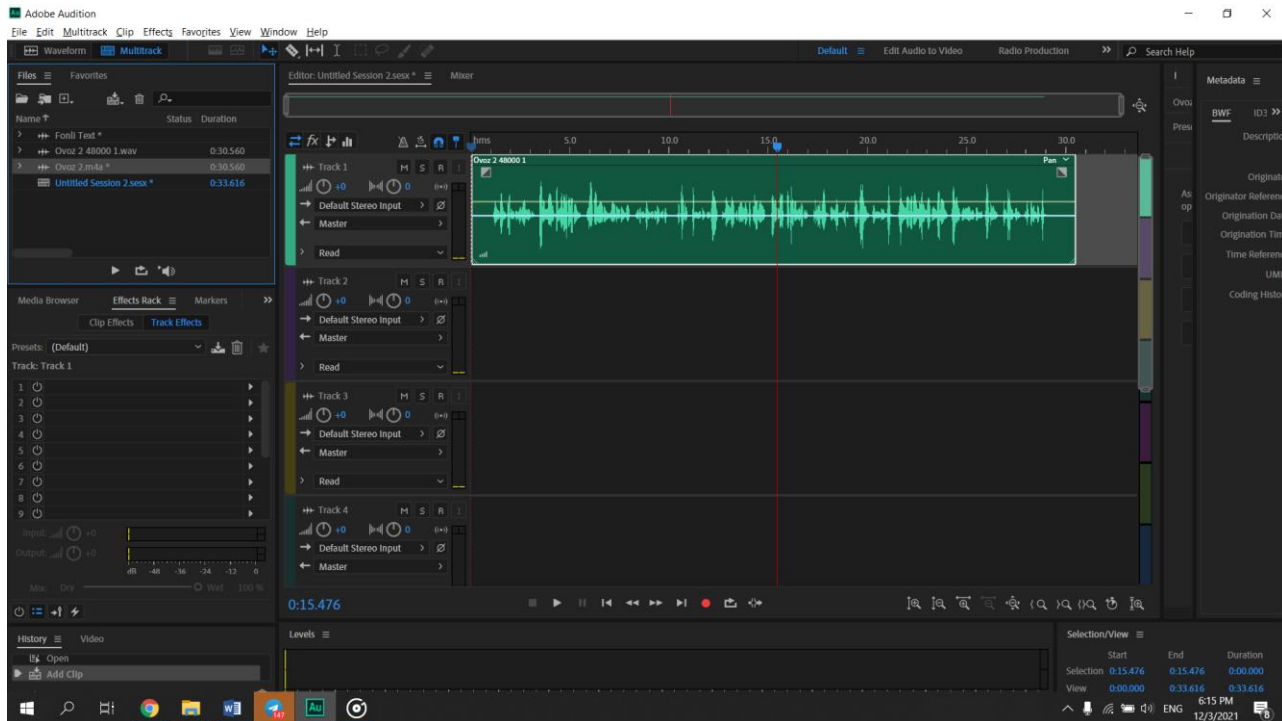


11-rasm.

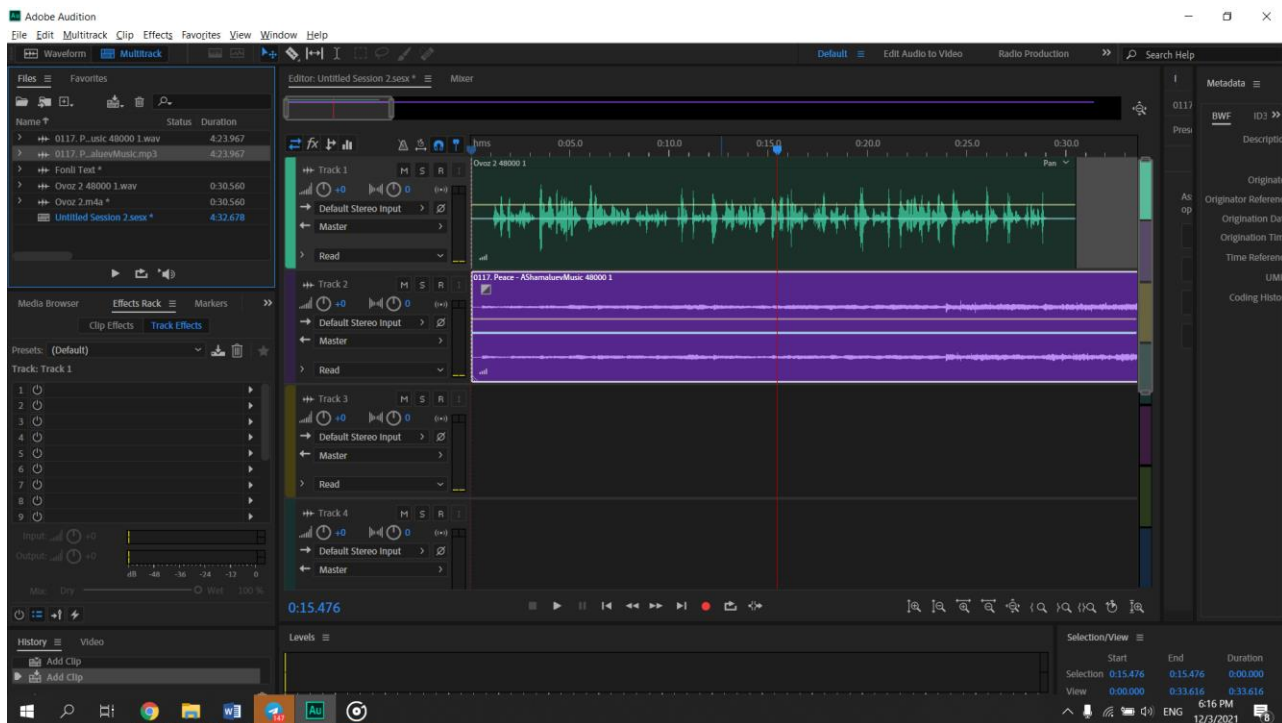


12-rasm.

Ovozimizni filtrlash jarayonini tugatib olidk endi multirack yaratib olamiz va filtrlagan audioimizni va fon sifatida foydalanadigon audioimizni olib o'tib olamiz.



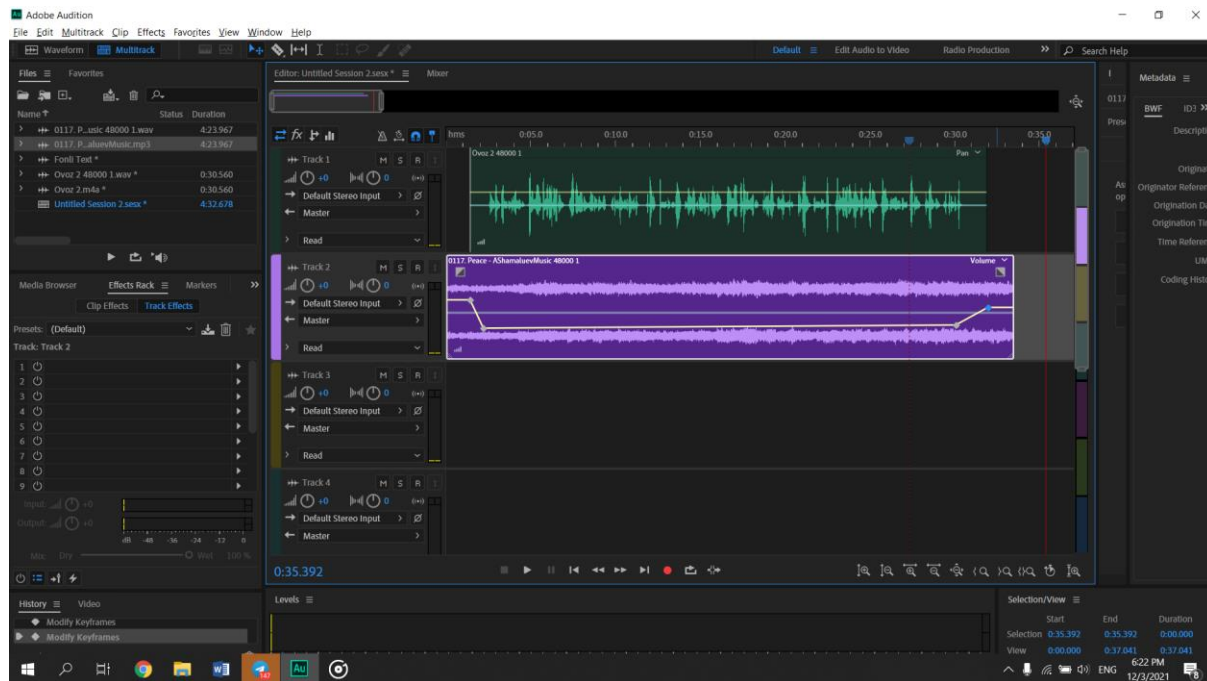
13-rasm



14-rasm

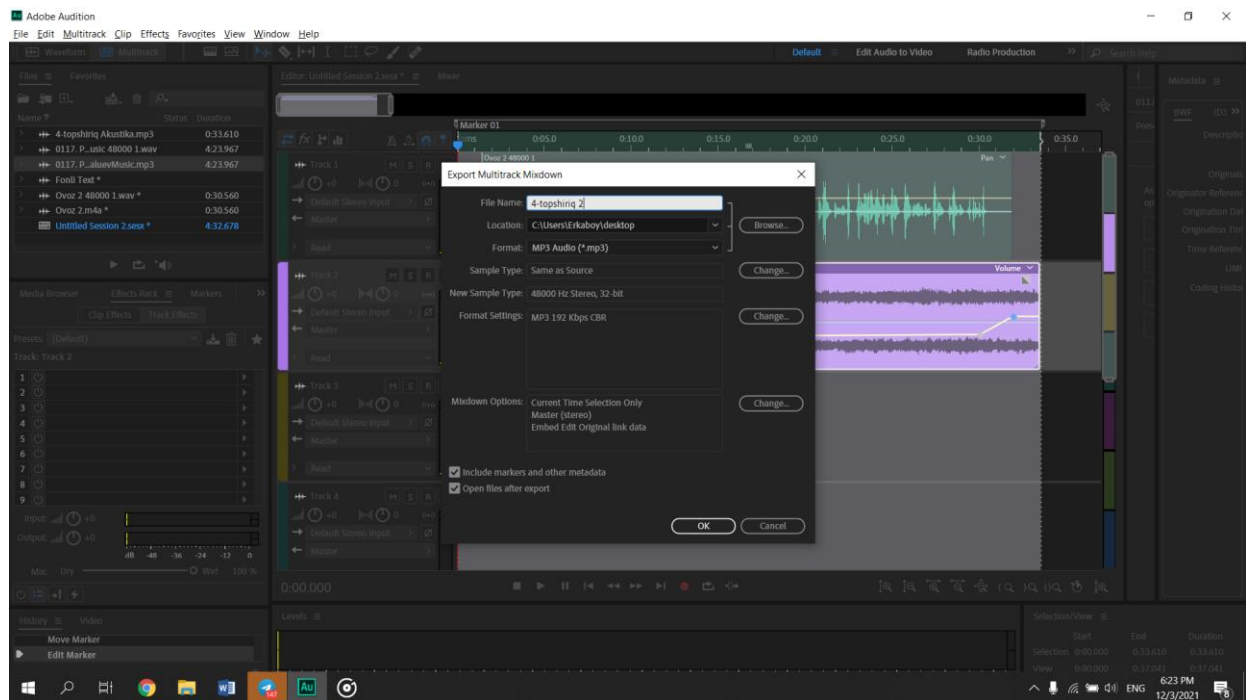


Mana fon musiqani ham berib olidik.



15-rasm.

Endi mp3 formatda saqlab olamiz.



16-rasm.

### Xulosa.

Men bu topshiriqni bajarish davomida audio yozib olish va uni filtrlash bilan tanishib chiqdim va amalda sinab ko'rdim. Audioni fitrlashda ko'plab effectlar bilan tanishib chiqdim.