



# IndiaThinks

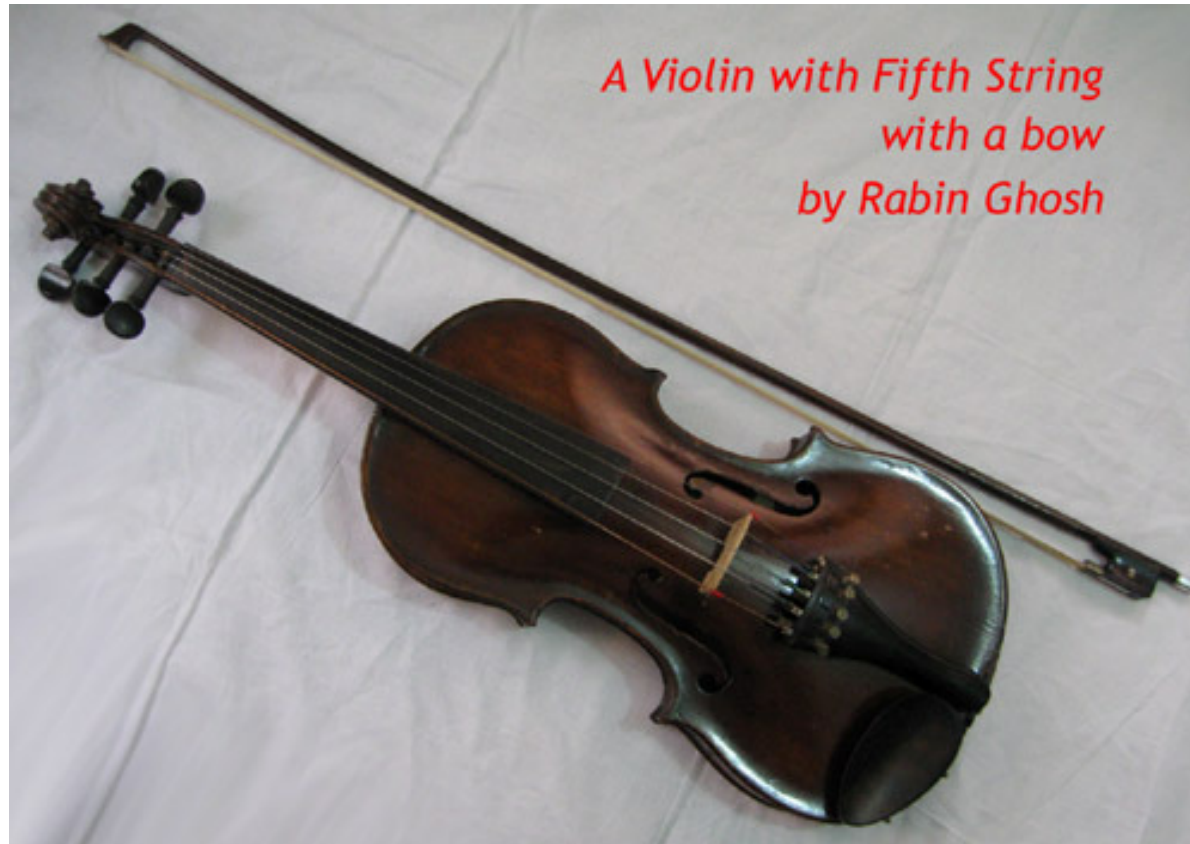
Knowledge - Business - Consciousness  
Uniting in Harmony

5<sup>th</sup> string to play Indian Swaras



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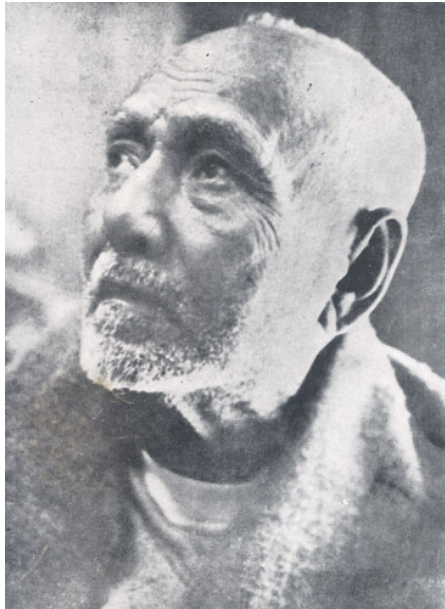
## Introduction of string “C”



"The purpose of Indian music is to refine one's soul, discipline one's body, to make one aware of the infinite within one, to unite one's breath with that of Space and one's vibrations with that of the cosmos."



# Genesis



from Guru: Baba Alauddin Khan Saheb

to Shishya: Pandit Rabin Ghosh

Occasion: Raga RamDashi Malhar

Year: 1958



# Tones and Tuning in Indian Classical Music

- The aim of tone production is to imitate the Indian singing style.
- There is extensive use of micro-tones, and a choice of alternative tunings to utilise drone notes
- The violin is often tuned in fourths rather than in fifths, eliminating the need to use the fourth finger.

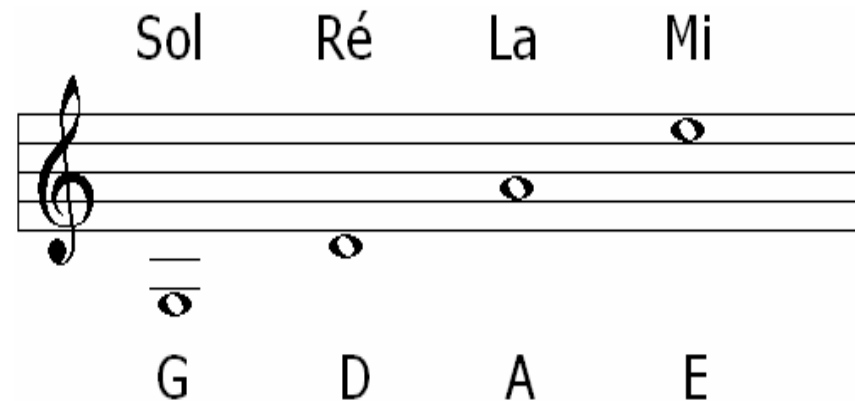




# Tuning 4-stringed violin for western classical

Absolute pitch:

- counting from right to left - 4 3 2 1
- A 440 as standard pitch
- G, D and E tuned against each other in pairs at perfect fifth





# Challenge

- The 3rd string 'D' is considered as 'Sā' to play Ragas
- So, according to this string set up, it is not possible to play alap till 'Mandra Saptak Sā'
- Playing raga examples: Shree, Purabi



# Tuning violin for Indian classical

- Pitch Range : 3 octaves  
(Mandra, Madhya, Taar)
- Carnatic: Sā-Pa-Sā-Pa
- Hindustani:  
Ma-Sā-Pa-Re and Pa-Sā-Pa-Sā





## Getting to Mandra Saptak **Sā**

- **E** (Tar Saptak Ré) ... first string
- **A** (Madhaya Saptak Pa) ... second string
- **D** (Madhaya Saptak Sā) ... third string
- **G** (Mandra Saptak Ma) ... fourth string
- **C** (Mandra Saptak Sā) ... fifth string



5<sup>th</sup> string manufactured, strung and tuned by Pandit Rabin Ghosh  
since 1960 – Tansen Sangeet Sanmelan, Calcutta



# Legacy

From father (Pandit Rabin Ghosh)

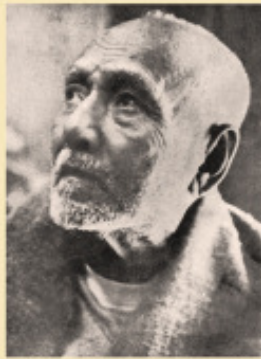
to son (Ranjan Ghosh)



The fifth string, tuned in **C** is Mandra Saptak Komal Ni.



# Performance



Honouring 'Baba'  
Ustad Allauddin Khan saheb

Shikshā ~ Deekshā ~ Parikshā  
Education ~ Initiation ~ Examination



Ranjan Ghosh, son and disciple of Rabin Ghosh,  
presents an offering in the tradition of Seniā-maihar gharānā, founded by 'Baba' Allauddin Khan saheb.

Ranjan is accompanied by Shri Jayant Rege on the Tabla.



Rabin Ghosh,  
Baba's foremost disciple  
and Violin Maestro

Sunday, January 24th 2010 | Hall of Harmony | Sri Aurobindo Centre of Education | 10 a.m. | Duration: 90 mins