Tri-month summary

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OverView

- ➢ Dark-Knowledge
  - ❑ DNN & RNN code **implementation** and **verification**
    - ✓ Pure-Soft label training
    - ✓ Hard-Soft label weighted training
    - ✓ Hard-Soft label mix training
  - ❑ Ensemble Experiments --with Mengyuan
    - ✓ Investigate various hidden-layer share strategy to improve the gender-dependent results
- ➢ Momentum
  - ❑ Test one group of momentum values
  - ❑ Do some investigation on Hessian-like Momentum training strategy(CG & NAG)
- ➢ Assist Xuewei in Spectrum2Fbank code implementation
- ➢ Projects
  - ❑ Car-number recognition --with Mengyuan
  - ❑ Bi-lingual speech recognition --with Mengyuan

TODO

- Ensemble training code error analysis and optimization
- Sub-modular data selection --with Mengyuan and Xiaoming
- Rectifier activation function code check
- Hessian-like Momentum training
- Bi-lingual speech recognition further improvement

Thanks