

Minutes of Meeting

A meeting regarding establishment of Centre of excellence for embedded systems by Texas Instruments was held on 08th September, 2015 at Punjab Governor's House, Chandigarh. Following were present in the meeting.

1. Mr. M.P. Singh, Principal Secretary, Technical Education & Industrial Training, Punjab.
2. Dr. Mohan Paul Singh Ishar, Vice Chancellor, MRSSTU Bathinda.
3. Dr. Buta Singh Sidhu, Dean Academics, IKG PTU, Kapurthala.
4. Mr. Sanjay Srivastava, Texas Instruments, Bangalore.
5. Ms. Apurva Varma, Director Operations, Texas Instruments, Bangalore.
6. Dr. Jyoti Saxena, Prof. & Head, ECE Deptt, GZSC CET, Bathinda.
7. Dr. Balraj Singh Sidhu, Associate Professor, ECE Deptt, GZSC CET, Bathinda & Director PIT, Rajpura.

The following points were discussed in the meeting:

1. The existing subject of Linear Integrated Circuits (BTEC-503) being taken up in 5th semester of B.Tech.(ECE) shall be slightly (approx. 20%) changed so as to make it more practicable as per need of industry.
2. In 5th semester of B.Tech.(ECE), the syllabus of Microprocessors & Microcontrollers (BTEC-504) shall be continued without any change in syllabus.
3. It was proposed that Embedded Systems (BTEC-701) introduced recently in 7th semester of B.Tech.(ECE) shall be replaced with new subject namely "Introduction to microcontrollers for embedded systems-MSP 430".

Accordingly a Centre of excellence shall be established at GZSCCET, campus college of MRSSTU, Bathinda for B.Tech. (ECE) students for following two subjects:-

- a) "Linear Integrated Circuits (with 20% change in existing syllabus)"
- b) "Introduction to microcontrollers for embedded systems-MSP 430"

It was also proposed that a full fledged M.Tech. ECE(Embedded Systems) shall be started by MRSSTU, Bathinda for which Texas Instruments proposed following subjects:-

- a) Advanced Course on Linear Integrated Circuits for Industrial applications.
- b) Introduction to microcontrollers for embedded systems, TIVA based (Theory and its Lab).
- c) Real time systems C2000 microcontroller based (Theory and Lab).
- d) Additional subjects for M.Tech. ECE (Embedded Systems) shall be proposed by Board of studies, MRSSTU, Bathinda.

ASIS *taxer* *Aminder*

5. It was proposed by Texas Instruments, Bangalore, that combined "Centre of excellence in Embedded Systems" for B.Tech (ECE) & M.Tech ECE(Embedded Systems) students shall be established at GZSCCET, campus college of MRSSTU, Bathinda, provided that MRSSTU, Bathinda allows:


- i. "Linear Integrated Circuits (with 20% change in existing syllabus)" and "Introduction to microcontroller for embedded systems-MSP 430" subjects to be introduced in B.Tech. (ECE).
- ii. "Advanced Linear Integrated Circuits", "Introduction to microcontrollers for embedded systems TIVA based" and "Real time systems C2000 microcontroller based" subjects are introduced in newly proposed M.Tech.ECE(Embedded System) and additional subjects as suggested by Board of studies.

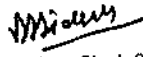
6. It was also discussed that this modified syllabus of B.Tech. (ECE) shall be implemented for the students of MRSSTU, Bathinda from 2016-2017 session & M.Tech. ECE (Embedded Systems) shall be started at GZSCCET, campus college of MRSSTU, Bathinda and its constituent colleges from 2016-2017 session after approval from the competent authority.

Accordingly for these B.Tech. (ECE) and M.Tech.ECE(Embedded Systems) students, Texas Instruments Bangalore, shall be setting up a combined "Centre of excellence in embedded systems" at GZSCCET, campus college of MRSSTU, Bathinda after discussing with Texas Instruments Dallas. Accordingly a modified Memorandum of Understanding shall be prepared by Texas Instruments Bangalore for further processing.

7. It was also discussed that a similar "Centre of excellence in embedded systems" shall be set up by Texas Instruments at IKGPTU, Kapurthala as per the above mentioned proposal.

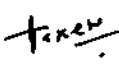
(Mr.M.P.Singh), IAS
Principal Secretary
Tech. Edu. & I.T. Punjab

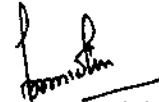

(Dr.Mohan Paul Singh Ishar)
Vice Chancellor, MRSSTU
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