

Dept. of ECE
MCKV Institute of Engineering
Liluah, Howrah
Registration Form

National Seminar
On
Recent Trends in 3G & 4G Wireless
Communication
5th – 6th February, 2010.

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NATIONAL SEMINAR
ON
RECENT TRENDS IN
3G & 4G WIRELESS COMMUNICATION
February 5th – 6th, 2010



Organized by

Department of Electronics &
Communication Engineering
(NBA Accredited)

MCKV Institute of Engineering
In collaboration with
IET UK, Kolkata Network



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Venue

MCKV Institute of Engineering
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243, G.T. Road (N), Liluah, Howrah 711204.
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Objective of the Workshop

One of the major advancements in the area of Wireless Communication was the Mobile Communication, which had revolutionized the personal and other forms of communication. Starting from the 1G Analog Mobile Phone System in Europe, which started in 1970 & based on FDMA Systems, development Work also started for digital TDMA Systems which gave rise to 2G systems categories as GSM. This started functioning in Europe since early 80s. Simultaneously work on CDMA Systems had also started, which resulted in the 1st CDMA based mobile phone in the U. S. in 1995. This was named as IS-95 system. Further advancements in the GSM system also led to GPRS (2.5G), EDGE (2.75G) and HSPA (includes both HSDPA and HSUPA) where the peak data rate of 14.4 Mbps had been achieved.

Meanwhile with the concepts, development and implementation of LTE and SAE, the journey to 3rd and 4th generation wireless communication networks had begun. Advances in the antenna system arrangement like smart antennas, adaptive antennas and MIMO (multiple I/P multiple O/P systems) and development in the areas of OFDM, combined together, make the wireless mobile communication a truly effective communication system, where personal, business communication and entertainment can go hand-in-hand and the customer can also enjoy the benefits of seamless interoperability. This is evident from the unlimited internet options available in the customer hand sets, video telephony, video conferencing, video-on-demand (VOD), live television on the handsets even while on the move and advanced video games. Truly this has revolutionized the communication scenario, which was not thought of even a decade and a half earlier.

Our aim is to inform our audience which includes young teachers and students about the continuous development which are taking place starting from 2G, 3G up to 4G.

Topics

- A. GSM
- B. GPRS
- C. UMTS
- D. EDGE
- E. HSPA (HDUPA & HSDPA)
- F. CDMA (cdma 1x1000, cdma-2000, EVDO)
- G. Software defined Radio
- H. LTE
- I. SAE, MIMO, OFDM.

About MCKVIE

MCKV Institute of Engineering is a self financing engineering college providing state of art infrastructure and quality education. It provides a distinctive relevant combination of academic skills and technical experience and thereby caters for professional and personal development of its students

- ★ It provides wide range of education and training opportunities of high quality.
- ★ It fasters intellectual development of the members of the institute.
- ★ It provides service to individuals and organizations.

The Department of ECE

With excellent infrastructure and quality faculty members, the department is enriched with resources. It maintains a cordial relationship with the industry. Faculty members, apart from their academic schedule, take active part in research and development works. We had received NBA Accreditation for three years on Oct. 2009.

Eligibility

Any faculty member or technical support staff / Lab instructor or student of AICTE approved engineering colleges / Polytechnics or UGC recognized general degree college can participate in the workshop.

Registration fee

The registration fee, which includes course material, lunch on workshop days, tea and snacks in morning and evening, is Rs.300/- per student & Rs.400/- for faculties, per participant. Participants will have to send a demand draft, for the registration fee, in favour of "MCKV Institute of Engineering," payable at Kolkata, on or before 30th of January, 2010.

Travel and Accommodation

No traveling and accommodation allowance will be provided by the organizing committee.

Registration Kit distribution

5th February, 2010 from 9:30 a.m. to 10 a.m.

Important Dates

Last date for receiving filled in application: 30th January, 2010.

Transport and Communication

MCKV Institute of Engineering is situated at Liluah at distance of 8 k. m. from Howrah. Nearest railway station is Liluah. Those who want to avail bus, can do so with bus no. 54, 54/1, 54/2, 56, & Ballykhal Khidirpur Mini Bus from Howrah and will have to get down at Liluah Stn. Road or Don Bosco stoppage. Those who want to commute by train can do so by availing a local train starting from Howrah and getting down at Liluah Stn. MCKVIE is at 5 minutes of walking distance from the station towards G. T. Road. Rickshaws are also available from the station to the college.

Address for correspondence

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