General Information on APT Training Course

1. **Title of Training Course:** Spectrum Management and Monitoring
(Online Training Course)

2. **Organization (hosted by):** Rajiv Gandhi Memorial Telecom Training Centre (RGMTTC)

3. **Duration:** 2 – 13 Sept 2024

4. **Place:** Online Training

RGMTTC, India will provide the online learning management system and Trainers. Participants are required to have computer with broadband Internet Connections to access to the online system during the training period.

5. **Objectives:**

During the training, the trainees will learn the following knowledge:

- Spectrum Principles and Characteristics
- Spectrum Planning, Allocation, Licensing and Pricing
- Spectrum Monitoring and Auditing
- Spectrum Strategies and Enforcement
- Advanced Technologies in Spectrum Management
- Spectrum Econometrics and Pricing
- Operator's requirement on Spectrum Management
- Technical Study, Visit to field
- Group Discussion, Presentation, Issues and Case Studies on Spectrum Management.

6. **Abstract:**

Through this training course, the participants from APT member countries will understand and get deeper insights of the Spectrum which is one the rare resources available for communication and by managing the spectrum efficiently; the network capacity as well as the reach can be increased.

The course mainly focuses on the issues related to Spectrum Management and during the training sessions.

7. Schedule:

Date/Time		Topics	Name of Lectures (Mr/Ms)	Venue
Day 1	10:00 to 11:00 Hrs	Inauguration of the Course by Chief General Manager, BSNL	Dignitaries from TN Circle, ALTTC and BRBRAITT, BSNL	ONLINE
	11:15 to 13:15 Hrs	Radio Frequency and Cellular concepts	Dr. G. Rajesh, (Guest Faculty) Professor Department of Information Technology, MIT Campus, Anna University, Chennai	ONLINE

Date/Time		Topics	Name of Lectures (Mr/Ms)	Venue
Day 2	10:00 to 11:30 Hrs	Spectrum Management – A Broader Perspective view	Mr. A. Robert Ravi, ITS, (Guest Faculty) Deputy Director General Department of Telecommunications (DOT) AP LSA, Vijayavada.	ONLINE
	11:45 to 13:15 Hrs	Spectrum Management – A Broader Perspective view	Mr. A. Robert Ravi, ITS, (Guest Faculty) Deputy Director General Department of Telecommunications AP LSA, Vijayavada.	ONLINE
Day 3	10:00 to 11:00 Hrs	Evolution of Wireless Technologies	Dr. V. K. Sanjeevi, ITS CGM (Retd), Chennai Telephones, BSNL	ONLINE
	11:15 to 13:15 Hrs	Spectrum Management – An operator View	Mr. K M Balaji, M.E. Sub – Divisional Engineer, RGMTTC, BSNL, Chennai.	ONLINE
Day 4	10:00 to 11:00 Hrs	Emerging Wireless Technologies	Mr. R .David Koilpillai, (Guest Faculty) Qualcomm Institute Chair Professor, IIT-Madras, Chennai	ONLINE
	11:15 to 13:15 Hrs	Recent trends including Cognitive Radio, White Space and Disaster management of spectrum	Mr. R .David Koilpillai, (Guest Faculty) Qualcomm Institute Chair Professor, IIT-Madras, Chennai	ONLINE
Day 5	10:00 to 11:00 Hrs	Trends in Spectrum Management	Sri. K. Ramesh DGM (Hr and Admin), TN Circle, BSNL, Chennai-16	ONLINE
	11:15 to 13:15 Hrs	Next Generation PPDR Communication Networks	Sri. S. Rajakumar DGM (Thanjavur SSA) TN Circle, BSNL	ONLINE
Day 6	10:00 to 11:00 Hrs	Spectrum Monitoring and Enforcement	Sri. Jayakumar Jayavelu, General Manager (NWO-CM), Tamilnadu Circle, BSNL	ONLINE
	11:15 to 13:15 Hrs	Spectrum Monitoring and Enforcement	Sri. Jayakumar Jayavelu, General Manager (NWO-CM), Tamilnadu Circle, BSNL	ONLINE
Day 7	10:00 to 13:15 Hrs	Spectrum Management – A Regulator View & QOS	Mr. S. T. Abbas (Guest Faculty) Advisor (NSL-II), Telecom Regulatory Authority of India, New Delhi	ONLINE

Date/Time		Topics	Name of Lectures (Mr/Ms)	Venue
Day 8	10:00 to 13:15 Hrs	Advance topics in Spectrum Management like Short range and Low interference devices, Small & Nano Satellites	Mr. S. T. Abbas (Guest Faculty) Advisor (NSL-II) Telecom Regulatory Authority of India, New Delhi	ONLINE
Day 9	10:00 to 11:00 Hrs	Presentation by Participants	Participants	ONLINE
	11:15 to 13:15 Hrs	Pricing and Econometrics of Spectrum Management	Mr. A. ARAVAZHI Deputy General Manager, Finance BSNL, Chennai	ONLINE
Day 10	10:00 to 11:00 Hrs	Presentation by Participants	Participants	ONLINE
	11:15 to 13:15 Hrs	Evaluation by trainees and Validation of the course	Dignitaries from TN Circle, ALTTC and BRBRAITT, BSNL	ONLINE

8. System Requirement

- ❖ OS: Windows 7or higher
- ❖ Browser: Comply with Internet Explorer 7 or higher
- ❖ Additional Software: Video Conferencing Software like Zoom
- ❖ Internet Connection: Broadband Internet is strongly recommended as part of course Delivery requirement.

9. Regulation:

Selected trainees are required to actively participate in the course from the beginning to the end.

10. The contact persons for online training :

Mr. K. M. BALAJI
Sub Divisional Engineer (SDE)
Rajiv Gandhi Memorial Telecom Training
Centre (RGM TTC)
Bharat Sanchar Nigam Limited (BSNL)
GST Road, Meenambakkam, Chennai-600016,
India
Tel: +91 44 29530196
Mobile: +91 94861 00412
Email: rgmttcbsnlapt@gmail.com

Mr. V. SAKTHIVEL
Principal
Rajiv Gandhi Memorial Telecom Training
Centre (RGM TTC)
Bharat Sanchar Nigam Limited (BSNL)
GST Road, Meenambakkam, Chennai-600016,
India
Tel: +91 44 29530196
Mobile: +91 94861 00485
Email: principalrgmttc@gmail.com