

Executive printing ink technology course

Course credit =100 hours

Lecture mode = online

Timings = 6pm -8 pm

Days = All Saturdays

Printing ink technology
Syllabus.

- Inks & education.
- General introduction
- Past present future
- Ptg ink industry
- Ptg ink concept
- Ptg Ink substrate
- Printing concept
- Printing substrate
- Colour science
- Dispersion science

- Printing ink raw materials

- Dyes
- Metal complex dyes
- Inorganic pigment
- Organic pigment azo
- Polycyclic pigments
- Metal Effect pigment
- Effect Pigment
- Natural resin, polymer
- Synthetic resins
- Thermoplastic resins
- Thermosetting resins
- UV oligomers
- Polymer emulsion

- Vegetable drying oil
- Petroleum solvents
- Plasticizers
- Waxes
- Driers
- Ptg ink Additives

- Ptg ink formulation
- Letter press
- Offset
- packaging offset
- Web offset
- Heatset web
- Flexographic

- Gravure
- Metal decoration ink
- Screen inks
- Intaglio inks
- Pad printing ink
- Digital ink jet inks
- Cont ink jet inks
- Sublimation ink
- Thermocromic ink
- Photo chromic ink
- Ceramic inks
- Glass inks
- Aqueous flexo
- UV/ EB cured inks
- Stationary inks
- Indelible inks
- Hot carbonizing inks
- Thermal inks
- Writing inks
- Marker inks
- Fugitive inks
- Printing engineering
- Ptg ink Production.
- Production mgt
- Marketing mgt
- Cost & Financial mgt
- Quality Management

- Printing inks defects
- During ink mfg
- During ink storage
- During ink application
- During service life
- Trouble shooting
- Environment
- Carbon emissions
- Safety
- Health
- Ecology
- Sustainability
- Reduce, Reuse, Recycl

- Ptg ink legislations
- Future trends in inks

Total = 80 topics covered in 100 hours
Overall 5000 slides teaching materials

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