

.net – CAD Integration course.

Total Duration : 80hrs

| <b>.net – CAD Integration course Curriculum</b>  | <b>Hrs.</b> |
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| <ul style="list-style-type: none"> <li>• Creating Hello world application</li> <li>• NETLOAD command</li> <li>• Editor Message prompt</li> <li>• Create Basic Entity               <ul style="list-style-type: none"> <li>• Line, Circle, Text and Arc</li> </ul> </li> <li>• Utility Functions               <ul style="list-style-type: none"> <li>• GetString</li> <li>• GetInteger</li> <li>• Getreal</li> <li>• Getkeyword</li> <li>• Handling result options</li> </ul> </li> <li>• Entity Selection               <ul style="list-style-type: none"> <li>• Single</li> <li>• Selection filter</li> <li>• Selection iteration</li> <li>• Select by Handle</li> </ul> </li> </ul> | 4           |
| <ul style="list-style-type: none"> <li>▪ Practical</li> </ul>  | 6           |
| <ul style="list-style-type: none"> <li>• Object Model               <ul style="list-style-type: none"> <li>• BlockTable</li> <li>• BlockTableRecord</li> <li>• SymbolTable</li> <li>• SymboleTableRecord</li> <li>• ModelSpace</li> </ul> </li> <li>• Transaction Manager</li> <li>• Object open and close</li> <li>• Erase objects</li> <li>• ObjectId</li> <li>• Modify Entity – color, Layer, Linetype</li> </ul>   | 4           |
| <ul style="list-style-type: none"> <li>▪ Practical</li> </ul>  | 8           |
| <ul style="list-style-type: none"> <li>• Zoom</li> <li>• Zoom Window</li> <li>• How to debug .NET application</li> <li>• Reference other dll with AutoCAD .NET dll</li> <li>• Create form and display it in AutoCAD</li> <li>• Handling multiple drawings</li> <li>• Registry access</li> </ul>  | 4           |

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|             | <ul style="list-style-type: none"> <li>• Access Options, search path, Preferences</li> <li>• Add Layer</li> <li>• Add Text Style</li> </ul>  |    |
| ▪ Practical |  | 8  |
|             | <ul style="list-style-type: none"> <li>• Add blocks</li> <li>• Access ActiveX Objects</li> <li>• Using Shared variables</li> <li>• Using Delegates</li> <li>• Using ini configuration</li> <li>• Access Database – sqlite</li> <li>• Load database values in Form display in AutoCAD</li> </ul>            | 6  |
| ▪ Practical |  | 8  |
|             | <ul style="list-style-type: none"> <li>• Load Lisp Files</li> <li>• Create Lisp Functions</li> <li>• Call .NET from lisp</li> <li>• Getenv and setenv</li> <li>• Get System Variables</li> <li>• Load .NET dll from lisp</li> <li>• Handling events</li> <li>• Plot api – PDF, Physical Printer</li> </ul> | 6  |
| ▪ Practical |  | 10 |
| ▪ Project   |  | 16 |