



**THIAGARAJAR COLLEGE OF ENGINEERING - MADURAI 625 015**  
**TCE-III**

| <b>S.No</b> | <b>One credit course need analysis sheet</b>                                |   |
|-------------|---|---|
| <b>1.</b>   | <b>Name of the Course</b>   | <b>G1N Gas Turbine Engines</b>                                |
| <b>2.</b>   | <b>Name of the Industry</b>   | Technology Excellence Group, QuEST Global Services, Bangalore |
| <b>3.</b>   | <b>Name of the SIG associated with</b>                                      | Thermal Engineering   |
| <b>4.</b>   | <b>Motivation for offering the course</b>                                   | Job offer in Thermal Engineering                              |
| <b>4.1</b>  | <b>Feedback<br/>(If yes, Details of the feedback as per the annexure I)</b> |   |
|             | <b>From Recruiter</b>   | <b>Y/N</b>  |
|             | <b>From Employer</b>  | <b>Y/N</b>  |
|             | <b>From Alumni</b>  | <b>Y/N</b>  |
|             | <b>From Academic Council members</b>  | <b>Y/N</b>  |
|             | <b>From Board of Studies members</b>  | <b>Y/N</b>  |
|             | <b>From Senior students</b>   | <b>Y/N</b>  |
|             | <b>From current students</b>  | <b>Y/N</b>  |
|             | <b>From Performance Assessment Committee</b>                                | <b>Y/N</b>  |
|             | <b>From Department Advisory committee</b>                                   | <b>Y/N</b>  |
| <b>4.2</b>  | <b>Faculty participation in Seminar/FDP (If yes, details)</b>               |   |
|             | <b>At higher learning institutes</b>  |   |
|             | <b>At Industry</b>  |   |
| <b>5.</b>   | <b>Outcomes expected</b>  |   |
|             | <b>Technology transfer</b>  | Yes   |
|             | <b>Student Internship</b>   | Yes   |
|             | <b>Placement</b>  |   |
|             | <b>Organizing FDP/seminar at TCE</b>  |   |
|             | <b>Collaborative research/consultancy projects</b>                          |   |
|             | <b>Faculty as Trainee/Trainer in the Industry</b>                           |   |
|             | <b>Joint publications</b>   |   |
|             | <b>Setting up of Lab/Infrastructure</b>                                     |   |



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Attendance sheet for the one/two credit

Name of the Course: G1N Gas Turbine Engineering

Name of the Industry: Technology Excellence Group, QuEST Global Services,  
Bangalore

Name of the Expert: Dr. S. Sundararajan

Name of students enrolled: 51

Name of the Faculty: Dr. K. Srithar

Date/Time/Venue: 12.09.14-14.09.14/9 am- 5 pm/Seminar Hall

| SL. NO | REG. NO | NAME                   | SECTION |
|--------|---------|------------------------|---------|
| 1.     | 11G01   | ABIKUDIARASU,K.        | A       |
| 2.     | 11G02   | ADARSH RANGANATHAN     | A       |
| 3.     | 11G04   | ADHINATHAN,S.R.        | A       |
| 4.     | 11G07   | ANAND,S                | A       |
| 5.     | 11G13   | ARUNKUMAR,A.           | A       |
| 6.     | 11G14   | ARUNKUMAR,R.           | A       |
| 7.     | 11G15   | ARUTPRANESH,K.         | A       |
| 8.     | 11G19   | ASWIN KUMAR,S          | A       |
| 9.     | 11G21   | BALAMURALI,P           | A       |
| 10.    | 11G23   | BHARATHIRAJA,R         | A       |
| 11.    | 11G27   | DAVID,S.               | A       |
| 12.    | 11G31   | DINESHKUMAR,S.         | A       |
| 13.    | 11G32   | GANESH KUMAR,G         | A       |
| 14.    | 11G37   | HEMANTH KUMAR,V.       | A       |
| 15.    | 11G39   | JANARTHAN,K            | A       |
| 16.    | 11G42   | KAANDEEPARAAJAN,G      | A       |
| 17.    | 11G44   | KALYAN SURYA JAGAN,C   | A       |
| 18.    | 11G48   | KASI YEGAPPAN,SP       | A       |
| 19.    | 11G53   | MADHUMITHA,M.R.        | A       |
| 20.    | 11G55   | MANICKAM. P            | A       |
| 21.    | 11G57   | MANOJ RAM, S           | A       |
| 22.    | 12LG02  | DEENADHAYALAN, S.      | A       |
| 23.    | 12LG12  | MANIKANDAN, T.         | A       |
| 24.    | 12LG15  | MUTHUKUMAR, S.         | A       |
| 25.    | 12LG18  | PERIYANNAN, M.         | A       |
| 26.    | 12LG24  | SARATHKUMAR, N.        | A       |
| 27.    | 11G102  | SIVA RAM,S.N.          | B       |
| 28.    | 11G103  | SIVASELVANAYAGAN,N     | B       |
| 29.    | 11G106  | SURESH KUMAR,P.        | B       |
| 30.    | 11G117  | VIKNEISH,T             | B       |
| 31.    | 11G122  | VISWANATHAN,S.         | B       |
| 32.    | 11G65   | NEWTON RICH, S.V       | B       |
| 33.    | 11G66   | NICHOLS RICH, S.V      | B       |
| 34.    | 11G68   | POOVAGAN,S             | B       |
| 35.    | 11G70   | PRAKASH,R              | B       |
| 36.    | 11G71   | PRASANTH,S.            | B       |
| 37.    | 11G72   | PREMKUMAR,G.           | B       |
| 38.    | 11G73   | PREMKUMAR,M.S.         | B       |
| 39.    | 11G74   | PRITVI RAJA DURAI,D.S. | B       |
| 40.    | 11G76   | RAGHUL,K.R             | B       |
| 41.    | 11G77   | RAJA.K P.              | B       |
| 42.    | 11G78   | RAJAPANDI,M.           | B       |
| 43.    | 11G82   | RAM GAUTHAM,M          | B       |
| 44.    | 11G83   | RAMESH KUMAR,E.        | B       |
| 45.    | 11G86   | SABARINATH,T           | B       |
| 46.    | 11G89   | SANKAR,P               | B       |
| 47.    | 11G90   | SANTHAN,V              | B       |
| 48.    | 11G95   | SATHASIVAM,P.          | B       |
| 49.    | 11G98   | SETHUPATHY,R           | B       |
| 50.    | 11G99   | SHACHINPRADEEP,R       | B       |
| 51.    | 12LG04  | GANESH, B.             | B       |



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**TCE-III**

Course Schedule

Name of the Course: G1N Gas Turbine Engineering

Name of the Industry: Technology Excellence Group, QuEST Global Services, Bangalore

Name of the Expert: Dr. S. Sundararajan

Name of students enrolled: 51

Name of the Faculty: Dr. K. Srithar

Date/Time/Venue: 12.09.14-14.09.14/9 am- 5 pm/Seminar Hall

| Date | Time            | Topics   | Remarks |
|------|-----------------|--|---------|
| Day1 | 09.30 am – 5 pm | Principle of operation of Gas turbine engine, Principle and purpose of jet propulsion, Propulsion system classification, Gas turbine engine Components and Sub systems,            |         |
| Day2 | 09.30 am – 5 pm | Single and twin spool gas turbine engines, different types of Gas turbine engines, Overview of Fuel control system, Starting and Ignition system, Engine testing and qualification |         |
| Day3 | 09.30 am – 5 pm | Gas turbine engine components, Full authority Digital engine Control (FADEC) system and Airframe, Engine integration   |         |

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Course Instructor Feedback for One/Two credit course

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|   | Comments |
|---|----------|
| Student attendance  | Good     |
| Level of the students in understanding the concepts                                     | Average  |
| Any suggestions regarding new content to be included as Prerequisites/Special electives | Good     |
| Hall/Lab arrangements   | Good     |
| Hospitality   | Good     |