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## PROGRESS REPORT

Name: Amit Koshta Date : 21/02/15

Thesis Topic: Fracture Mechanics of Cement Paste

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| Work Done | Work to be done | Comments |
| * Literature review of fracture mechanics of cement paste. * Learned Notched Three Point Flexural Test and calculation of flexural toughness and stress intensity factor. * Dimension of specimen decided. Figure attached. * Cast dummy paste sample to observe and rectify any cracking. * Cast control samples of dimension (mm ) 150 X 150 X 150 and cut control specimen out of it, but rejected due to inaccurate dimensions. * The samples were cured for 3 days. Mix design attached. * Cylinders were cut out of dummy samples to observe internal cracking. * Prepared a mold for control specimen to be cast. Figure attached. | * Cast paste cubes of dimension (mm) 165 X 165 X 165 for control. * Caste cubes with admixture dosage. * Assemble apparatus. |  |

Comments:

Work For This Week.

Cut specimen of the required size.

Check about the availability of equipment and learn its operation.

Cast samples with admixture.