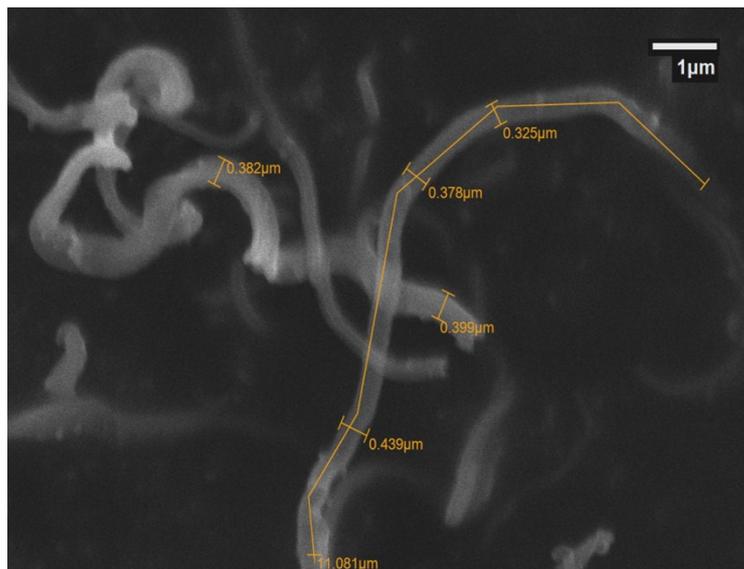


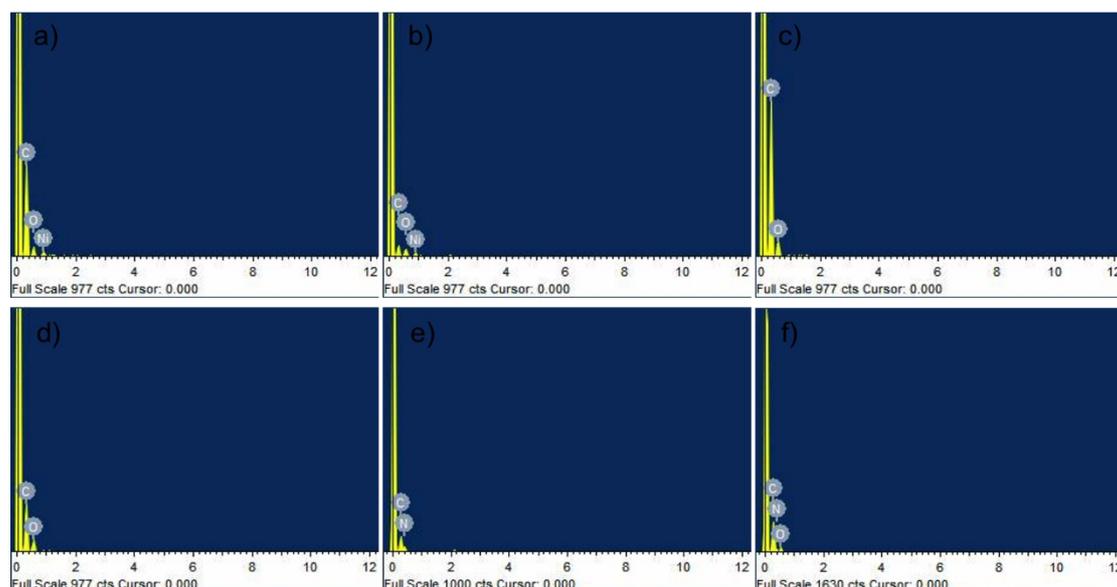
Supplementary Information

## Augmenting static and dynamic mechanical strength of carbon nanotube/epoxy soft nanocomposites via modulation of purification and functionalization routes

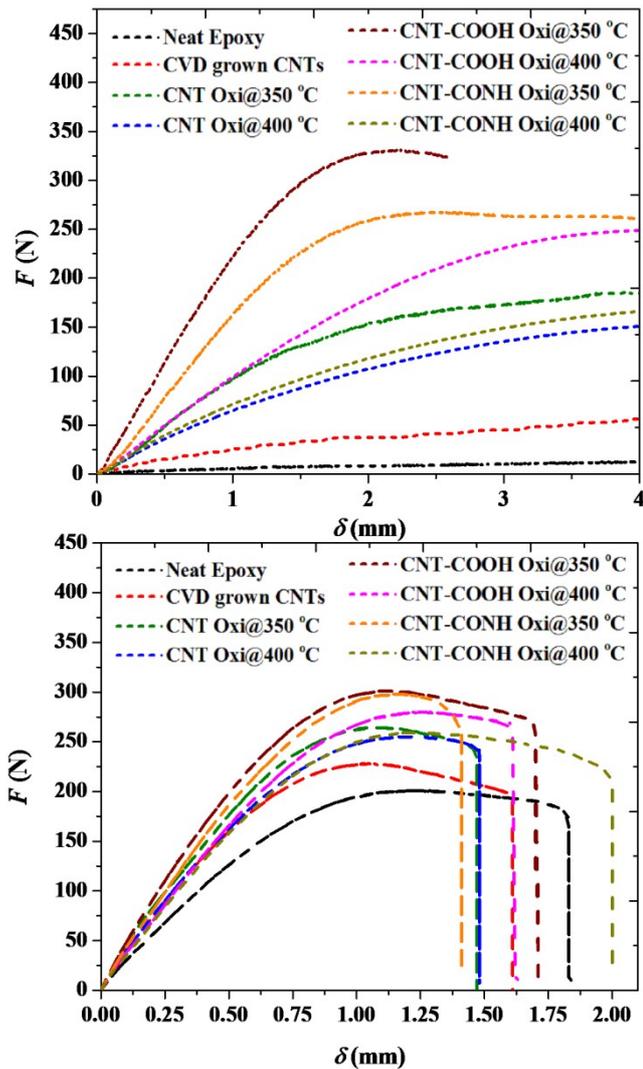
B. K. Billing,<sup>a</sup> P. Dhar,<sup>a</sup> N. Singh<sup>b\*</sup> and P. K. Agnihotri<sup>a\*</sup>



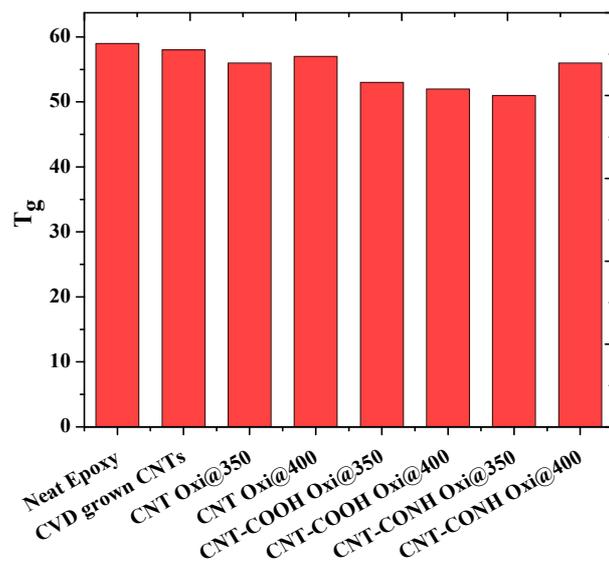
**Fig. S1** SEM micrograph showing average length and diameter of CNTs.



**Fig. S2** EDX analysis of CNTs a) Oxidized @350 °C, b) Oxidized @400 °C, c) COOH functionalized after Oxi@350 °C, d) COOH functionalized after Oxi @400 °C, e) CONH Oxi @350 °C and f) CONH Oxi @400 °C CNTs.



**Fig. S3** Variation of load  $F$  as a function of displacement  $\delta$  of various CNT/epoxy nanocomposites under (a) 3 point bending test and (b) tensile loading.



**Fig. S4:** Bar graph showing glass transition temperature ( $T_g$ ) of each of the CNT/epoxy nanocomposites.