· I	THE LINE
Pami Wail Shoula ID: 2016001/2	Naneng 307 Assignment 2
E) Blighting a gas stove	3; Applying Force on crystal induces pressure 1
on piezoelectric materia	al creating an electrical signal or current spark tric lighter in Kitchen,
3 ATTUE 3 Spork F	rom piezoelectric transduces used
3) DA self-agneration trav	sduces; Doesn't reed application
1 1 1 2 200	olartic elle
2) Develop a pyroelectric de SP in polarization of the B Convert! ST -> elamont A obsorbs radiation, a exproelectric voltage measure element B has reflecting elect is does not absorb radiation Piezoelectric effect genera ocross terminals a &b inf	serium titanuile piezoelectric crystal, leads to &V charge. SP -> &V Absorbing Setup: a High input resistance Setup: a plifer Senerating Setup: a plifer Senerating Setup: a plifer Setu
3) I. Non-Volatile RAMs: Utilizing Field, Fast-response polara digital O: used as RAM	ization corresponds to digital I while reultral (no E) is with very fast-esponse his non-volatile if power is removed,
2. Swort cords & Ferrale Petric	RAM FRAM is faster Than flash memory req, input laterat, They can rainy substantial information
with bu risk of agid to	The same of the same of the same of the same of
3. Tuneable microwave Device	ruption, es (optical waveguicles) : Ferromaterials can be tuneable, on applications, tureability = $\frac{\Delta E}{6(E=0)}$ by using on applications, tureability = $\frac{\Delta E}{6(E=0)}$ by applications
in tegrated micromate comp	onexis with chouse in a finite of the
	are more robust limits, longer life expectancy, greater
power density, but mae ex	pensie to delop.

III xy= Area A, z= thickness, i' dx = kx, ds = ky, dz = Lz
i' br is temperature dependent i'dc is in is & C= Eot (Xy i dC = (toxy dEr + toErydx + totix dy) z - totixy dz , using derivatives : dc = Eoxydtr + Ltotixs ; Tu= dc TCC = 60xyder + LEOTIXY = EOXyder + LEOTIXY is Simplify:- TCC = I der +1