

A

REPORT ON

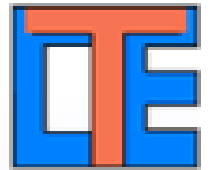
ONE DAY TECHNICAL OPEN HOUSE ON

“Technical open house to explore the technical abilities of the student”

DATE: - 10/03/2016



Organized by
GENERAL DEPARTMENT
Government Engineering College
Katpur, Patan
In association with SPFU and IPR,
Gandhinagar under TEQIP-II



Under the visionary leadership of Honorable Principal **Dr. S. P. Dave**, Government Engineering College, Patan successfully organized ONE DAY OPEN HOUSE ON "Technical open house to explore the technical abilities of the student "at Government Engineering College, Patan on 10th March, 2016. The open house aimed to bring together the students of all engineering department from the institute and surrounding colleges to share their technical ideas with each other, also discuss the current trends of technical advancement in various field of an engineering, which will definitely boost the technical and creative part of student in order to meet the challenges ahead in technology.

Patron:

- (1)Dr. S. P. Dave,
Principal, GEC-Patan
- (2)Dr. H. S. Patel,
Professor, Applied Mechanics
GEC – Patan
- (3)Prof. V. P. Soni,
HOD, General Department

Coordinator:

Prof. A. K. Chaudhari & Dr. H. S. Bhutadia
Assistant Professor (Physics)
GEC Patan

Organizing Committee

Prof. K. K. Rabari, Faculty, Mechanical
Prof. A. K. Chaudhari, Faculty, Physics
Dr. H. S. Bhutadia, Faculty, Physics
Prof. V. C. Makwana, Faculty, Mathematics
Prof. D. K. Patel, HOD, Mechanical
Prof. V. D. Patel, HOD,Civil

Name of Judges:

- (1) Dr. R.J.Pathak, External judge (Asso. Prof. in physics, R. R. Mehta Science college, Palanpur)
- (2) Prof. V. D. Patel, Internal judge (Assistant prof. in Mechanical, GEC Patan)

Name of Student volunteers:

Sr. No.	Name	Department & Sem	Allotted duty
1	Patel Dhruhep	Computer 2 nd Sem.	Banner Photography, Event Management
2	Patel Mayur	Computer 2 nd Sem.	Event Photography
3	Khatri Vivek	Computer 2 nd Sem.	Presence Report
4	Prajapati Adil	Computer 2 nd Sem.	Event Management
5	Prajapati Hiten	Computer 2 nd Sem.	Certificate writing
6	Solanki Chintan	Computer 2 nd Sem.	Valedictory preparation, Poster numbering
7	Darji Jay	Computer 2 nd Sem.	Valedictory preparation, Poster Numbering
8	Prajapati Neel	Computer 2 nd Sem.	Event Management
9	Jignesh Shrimali	Computer 2 nd Sem.	Event Management

Evolution Sheet

Judge: Dr. R. J. Pathak

GOVERNMENT ENGINEERING COLLEGE, PATAN
PHYSICS DEPARTMENT
"OPEN HOUSE" 10TH March-2016 (CIVIL & MECHANICAL)

POSTER No.	Idea/Concept (out of 10)	Material/Content (out of 20)	Presentation (out of 10)	Over all (out of 10)	Total (out of 50)
Black Hole 1.	4	5	5	4	
Fire alarm Thermis 2. M	4	6	6	06	36 III M
ter LASER 3.	4	4	6	04	
LPG Refinery 4.	3	7	4	6	
Maglev 5.	6	11	6	7	III 30 (P)
Combustion 6.	3	08	07	5	
Drone 7.	4	10	05	5	
Gravitational 8.	4	07	04	4	
Cell on wheel 9.	3	08	03	5	
3D print 10.	5	07	05	5	
Organic Farm 11.	3	05	05	2	
Solar Pan 12.	6	10	07	5	
Gravity Engine 13.	5	06	04	6	
Air White Air 14.	7	11	07	4	
Frog modulation 15.	7	14	07	7	II 35 (P)
Human Motion 16.	4	09	06	5	
Electromagnet 17.	5	05	04	06	
DC motor 18.	3	05	03	05	
Turboblast 19.	05	03	03	04	
Volcano 20.	05/05	05/08	0/3	0	30/50
Gravitational 21.	05	06	04	05	
Liquid 22.	05	05	03	03	
Myobiont 23.	03	07	03	03	
Ultrasonic 24.	08	10	07	08	I 40 (P)
Black hole 25.	04	05	07	05	
Light 26.	07	07	06	07	
D.S.S. 27.	05	05	05	05	
Acoustic 28.	05	04	04	04	
Working 29.	09	18	05	08	40 II M
Solar Boat 30.	8	08	06	07	29
Hyper loop 31.	4	04	03	04	
Nanobots 32.	08	10	10	09	46. I M
Hybrid 33.	04	05	04	06	
Water purifier 34.	4	05	03	02	
35.	03	05	07	06	
Obstacle Avoidance 36.	3	03	02	02	
37.					
38.					
39.					
40.					
41.					

Evolution sheet by Judge – 1 (Dr. R.J.Pathak)

Evolution Sheet
Judge: Prof. V.D. Patel

GOVERNMENT ENGINEERING COLLEGE, PATAN
PHYSICS DEPARTMENT
"OPEN HOUSE" 10TH March-2016 (CIVIL & MECHANICAL)

POSTER No.	Idea/Concept (out of 10)	Material/Content (out of 20)	Presentation (out of 10)	Over all (out of 10)	Total (out of 50)
1.	6	14	7	7	34
M 2.	7	16	7	8	(38)
3.	6	15	7	6	34
4.	7	13	7	6	33
5.	7	16	7	7	37
6.	7	14	7	6	34
7.	6	13	7	6	32
8.	7	12	6	6	31
9.	5	11	5	5	26
10.	7	14	7	7	35
11.	4	12	4	5	25
M 12.	6	14	6	6	32
13.	6	12	6	6	30
14.	5	12	5	5	27
15.	7	17	8	8	(40)
16.	6	13	6	7	32
17.	7	13	8	7	35
M 18.	6	11	6	6	29
M 19.	6	10	6	5	28
M 20.	6	12	5	5	27
21.	5	11	5	5	27
22.	7	15	5	6	34
23.	4	10	5	5	24
24.	8	17	8	9	(42)
25.	4	15	5	8	29
26.	4	13	5	4	26
27.	4	12	4	4	24
28.	4	13	4	4	25
M 29.	8	18	7	8	(41)
M 30.	7	14	7	6	34
31.	7	13	7	6	33
M 32.	9	18	9	9	(45)
33.	6	14	6	7	33
34.	6	12	6	5	29
35.	7	13	7	8	35
M 36.	6	12	6	5	29
37.					
38.					
39.					
40.					
41.					

Model presentation

I → (32)
II → (29)
III → (2)

poster
I - 24 - ultrasonic
II - 15 -
III - 5 -

VDP

Evolution sheet by Judge – 2 (Prof.V.D.Patel)

LIST OF PARTICIPANTS AND PROJECT TOPICS

GOVERNMENT ENGINEERING COLLEGE, PATAN PHYSICS DEPARTMENT "OPEN HOUSE" 10 TH March-2016 (CIVIL & MECHANICAL) PRESENCE NOTE				
POSTER No.	ENROLLMENT No.	MOBILE No.	SIGNATURE	TOPIC
POSTER No. 1	150220106041	9104104164	S. Patel	Black HOLE
	150220106037	9978050019	P. Patel	
	150220106046	7203091263	V. Patel	
	150220106042	9737993500	U. Patel	
	150220106045	9638972387	S. Patel	
POSTER No. 2 M	150220119013	9601881048	V. Patel	Fire ALARM
	150220119024	9714860109	H. H. R. Patel	
	150220119044	9512570312	K. M. Patel	
	150220119096	7043673283	S. Patel	
	150220119088	9662346687	P. Patel	
POSTER No. 3	150220119100	9998082856	P. Patel	Laser
	150220119028	7600992609	P. Patel	
	150220119097	7622980443	S. Patel	
	150220119121	7255550872	S. Patel	
	150220119104	9924587128	S. Patel	
POSTER No. 4	150220119039	9610926634	S. Patel	LPG Refrigerator
	150220119044	9737139598	S. Patel	
	150220119001	8238527844	V. Patel	
	150220119091	9428866979	S. Patel	
	150220119085	9427166871	A. Patel	
POSTER No. 5 M	150220106003	9408271941	S. Patel	Maglev air plane landing and takeoff
	150220106026	9157521712	A. Patel	
	150220106027	9723498690	D. Patel	
	150220106043	8960408998	V. Patel	
POSTER No. 6	150220119020	8758310554	S. Patel	Internal combustion Engine
	150220119021	9408646887	S. Patel	
	150220119026	9714114665	N. Patel	
	150220119017	9601878512	S. Patel	
	150220119021	9714459506	S. Patel	
POSTER No. 7	150220106014	9574972974	S. Patel	Drone
	150220106015	9512504674	K. Patel	
	150220106060	771885596	R. Patel	
POSTER No. 8	150220119082	8735048000	S. Patel	Gravitational Waves
	150220119067	9904098615	K. Patel	
	150220119064	9427775251	S. Patel	
	150220119069	9779220417	N. Patel	
	150220119072	9586543012	R. Patel	

LIST OF PARTICIPANTS AND PROJECT TOPICS

GOVERNMENT ENGINEERING COLLEGE, PATAN PHYSICS DEPARTMENT "OPEN HOUSE" 10 TH March-2016 (CIVIL & MECHANICAL) PRESENCE NOTE				
POSTER No.	ENROLLMENT No.	MOBILE No.	SIGNATURE	TOPIC
POSTER No. 9	150220106029	7383245619	Jaimin	Cell of wheel
	150220106012	8153041997	H.N. Desai	
	150220106017	9099768273	M.K. Jethani	
	150220119006	8980877198	Abhinav	
	150220119037	7359436967	S.D.J.	
POSTER No. 10	150220119008	9923547284	D.P. Chel	3D Printing
	150220119004	7876360463	A.S. Burel	
	150220119062	9725242450	J.R. Patel	
	150220119025	9626597526	A.D.O.	
POSTER No. 11	150220119012	9826950170	Chh	Sustainable Agriculture organic farming.
	150220119004	872805070	Chh	
	150220119093	9408609556	K.R.P.	
	150220119054	7622094682	R.R. Verman	
	150220119092	9574386895	K.P. Rajput	
POSTER No. 12 M	150220119003	8154011705	H.B. Adhyay	Solar Car
	150220119022	9104144193	Aditya	
	150220119029	9512081861	Piyush Jadhav	
	150220119064	8733455807	Vansh	
POSTER No. 13	150220119059	9978667466	Divyanshu Patel	Design and Analysis of gravity Engine
	150220119043	9724655465	Divyanshu	
	150220119038	9512734185	Divyanshu	
	150220119045	7383498168	Divyanshu	
	150220119008	7041626670	K.S. Badani	
POSTER No. 14 M	150220106011	7359887443	Divyanshu	Air which runs the Future
	150220106039	8488817897	Divyanshu	
	150220106025	7359153368	B.A. Patel	
POSTER No. 15 M	150220119074	7621853911	Divyanshu	Frequency Modulation (FM)
	150220119073	8690293624	Divyanshu	
	150220119080	9033384106	Divyanshu	
	150220119079	9725462187	Divyanshu	
POSTER No. 16 M	150220106028	7573832434	Divyanshu	Human motion detector system.
	150220106036	9624064483	N.M. Patel	
	150220106050	9157740997	H.M. Rajput	
	150220106033	9712832777	K.S. Patel	
	150220106049	9574923947	D.S.P.	

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POSTER No.	ENROLLMENT No.	MOBILE No.	SIGNATURE	TOPIC
POSTER No. 17	150220119103	8140471244	H.A. Rebari	Electromagnetic Radiation
	150220119083	7698678865	V. Patel	
	150220119077	9974655182	V. Patel	
	150220119055	7874364149	A. B. Patel	
	150220119089	8758145431	H. B. Prajapati	
POSTER No. 18 M	150220119009	8469802702	H. R. Chavhan	DC Motor PWM
	150220119011	9712309861	A. B. Patel	
	150220119030	9712176337	P. Patel	
	150220119035	8758552942	P. Patel	
	150220119046	9537130002	P. Patel	
POSTER No. 19	150220119065	9512399109	M. P.	Turbo charger in Two-wheelers.
	150220119076	9737633512	S. R. Patel	
	150220119077	9512395633	T. B. Patel	
	150220119078	7621085799	G. Patel	
	150220119124	7573826178	P. J. Patel	
POSTER No. 20 M	150220119057	9913465117	P. B. Vyasava	Voltage Doubler
	150220119122	8980941059	P. R. Patel	
	150220119071	7359985878	K. R. Patel	
	150220119065	9512693300	T. S. Patel	
	150220119079	7202021828	V. M. P.	
POSTER No. 21	150220119048	7069276536	Sachin	Gravitational waves
	150220119050	7698555885	K. Patel	
	150220119036	8155866379	A. A.	
	150220119002	8141438091	A. A.	
	150220119063	7698419482	A. A.	
POSTER No. 22 M	150220119087	9725681059	P. Patel	Liquid Hydraulic Power Leg
	150220119090	8140125458	P. Patel	
	150220119086	7096130086	P. Patel	
	150220119095	8155851001	P. Patel	
	150220119075	9898285286	P. Patel	
POSTER No. 23	150220119014	8758229300	P. Patel	Maglev Train.
	150220119023	7567630125	P. Patel	
	150220119099	7203055487	P. Patel	
	150220119041	9925510599	P. Patel	
	150220119033	8758229311	P. Patel	
POSTER No. 24	150220119005	9586693270	P. Patel	Ultrasonic Navigation device
	150220119018	9511443524	P. Patel	
	150220119044	9359608495	P. Patel	
	150220119114	9925014833	P. Patel	

LIST OF PARTICIPANTS AND PROJECT TOPICS

GOVERNMENT ENGINEERING COLLEGE, PATAN PHYSICS DEPARTMENT "OPEN HOUSE" 10 TH March-2016 (CIVIL & MECHANICAL) PRESENCE NOTE				
POSTER No.	ENROLLMENT No.	MOBILE No.	SIGNATURE	TOPIC
POSTER No. 25	150220106031	72028 71857	R. Patel	Black hole
	150220106018	7600971626	M. Joshi	
	150220106040	9725732567	S. K. P.	
	150220106024	9574683621	K. D. Patel	
	150220106030	7698987625	J. D. Patel	
POSTER No. 26	150220106004	8480072571	R. B. K. Patel	Light and electromagnetic spectrum
	150220106008	8480646267	M. D. K. Patel	
	150220106044	9574357815	V. S. Patel	
	150220106048	7201979410	D. K. Patel	
	150220106056	9601653010	G. K. Patel	
POSTER No. 27	150220119112	9428362566	K. K. Patel	Digital security system
	150220119066	8153878253	K. D. Patel	
	150220119115	8128052555	K. K. Patel	
	150220119107	9408624088	K. P. Patel	
POSTER No. 28	150220119129	8236347683	R. A. ZADA	concept of Acoustics.
	150220119118	7383053315	A. K. Patel	
	150220119070	9909247156	R. K. Patel	
	150220119102	8487846083	R. K. Patel	
	150220119120	8487896083	R. K. Patel	
POSTER No. 29 M	150220106038	8347650991	K. K. Patel	WORKING OF MICROPHONE
	150220106032	7874949995	J. M. Patel	
	150220106058	9512527947	H. D. R.	
	150220119091	9558318504	A. K. Patel	
	150220119105	9662619176	M. K. Patel	
POSTER No. 30 M	150220119034	9728130792	A. K. Patel	Solar boat
	150220119081	7474760725	A. K. Patel	
	150220119024	7207910898	A. K. Patel	
	150220119019	8128773077	P. K. Patel	
	150220119020	9537705471	R. K. Patel	
POSTER No. 31	150220119016	7621984787	R. K. Patel	HYPERLOOP
	150220119031	7874936806	A. K. Patel	
	150220119032	9558690268	A. K. Patel	
	150220119060	952502326	A. K. Patel	
	150220119113	8154875889	H. V. Zingade	
POSTER No. 32 M.	150330739040			Nanotechnology :- Advance in medical science
	150330119047	75761059712	A. K. Patel	
	150330119088	9537704988	A. K. Patel	
	150330119106			
	150330119123			

LIST OF PARTICIPANTS AND PROJECT TOPICS

GOVERNMENT ENGINEERING COLLEGE, PATAN PHYSICS DEPARTMENT "OPEN HOUSE" 10 TH March-2016 (CIVIL & MECHANICAL) PRESENCE NOTE				
POSTER No.	ENROLLMENT No.	MOBILE No.	SIGNATURE	TOPIC
POSTER No. 33	150220106063	7285088947	Shubam	Hybrid Locomotive
	150220131128	9512503043	Pratik	
	150220131116	8980340852	Pratik	
	150220111096	9428018463	Pratik	
	150220119052	8980904617	Pratik	
POSTER No. 34	150220106053	8155846595	R.K.P.	Light Emitting Diode
	150220106019	9512426842	K. J. Joshi	
	150220106035	9638094024	M.M.P.	
	150220106062	9928653075	G.M.	
	150220106051	8347874127	P.H.P.	
POSTER No. 35 M.	150220111009	9723722982		Water Purifying through Moringa seeds
	150220111021	9924638861	A.S. Kumbhar	
	150220111085	9203815191	M.R. Desai	
POSTER No. 36 M.	150220106002	706984289	M.N. Bhat	object: Alum
	1502201060013	7202812174	N.S. Dashmukh	
	150220106022	9099120901	S.S.	
	150220106016	8311753045	Pratik	
	150220106061	7874551753	T.B. Tadvi	
POSTER No. 37				
POSTER No. 38				
POSTER No. 39				
POSTER No. 40				

RESULT OF THE EVENT**WORKING MODEL CATEGORY**

Sr.No	Poster No.	TOPIC	Enrollment No. of Students	REMARK
1	32	NANO TECHNOLOGY;ADVANCEMENT MEDICALSCIENCE	150220119040	1 ST PRIZE
2			150220119047	
3			150220119088	
4			150220119106	
5			150220119123	
6	29	WORKING OF MICROPHONE	150220106038	2 nd PRIZE
7			150220106032	
8			150220106058	
9			150220119041	
10			150220119105	
11	2	FIRE ALARM	150220119013	3 rd PRIZE
12			150220119104	
13			150220119094	
14			150220119096	
15			150220119098	

RESULT OF THE EVENT**BANNER CATEGORY**

Sr.No	Poster No.	TOPIC	Enrollment No. of Students	REMARK
1	24	ULTRASONIC NAVIGATION DEVICE	150220119005	1 ST PRIZE
2			150220119018	
3			150220119044	
4			150220119114	
5				
6	15	FREQUENCY MODULATION	150220119074	2 nd PRIZE
7			150220119073	
8			150220119080	
9			150220119119	
10				
11	5	MAGLEV AIRPLANELANDING AND TAKEOFF	150220106003	3 rd PRIZE
12			150220106026	
13			150220106027	
14			150220106043	
15				

All Banners/working models will found on this drive;

<https://drive.google.com/folderview?id=0BzVXsUcqw26gVVJ2R1U5VXhiNVU&usp=sharing>

OPENHOUSE PHOTO GALLERY



Interaction with faculties



Principal is interacting with students



Prof.V.D.Patel(Judge) interacting with students



Prof. Trivedi and Prof.M.K.Patel interacting with students

OPENHOUSE PHOTO GALLERY



Excitement in participant about his project



Dr.R.J.Pathak (Judge) interacting with participant



Both judges inspecting project



Student trying to convince the judge

OPENHOUSE PHOTO GALLERY



Participant explaining concepts



Interaction among students



Evening meditation to remove mental and Physical tiredness
(Prayer: Tu mane Bhagvan ek Vardan aapi de..)
With music and coolness of air conditioner.



Valedictory

OPENHOUSE PHOTO GALLERY



Words of appreciation by institute head



scientific & encouraging speech by Dr.R.J.Pathak



Our gratefulness in form of word and Small memento to expert



our honor in form of word and small memento to Prof.V.D.Patel Sir



Prize distribution



Certificate distributions



Prize distribution



Certificate distributions



16/03/2016

Divya Bhaskar e-Paper Gujarat, Ahmedabad, Vadodra, Surat, Rajkot, Bhavnagar, Jamnagar, Mehsana, Bhuj, Gandhinagar, Mumbai

divyabhaskar.com

પાટણ કતપુર ઇજનેરી કોલેજના છાત્રોએ 40 મોડેલ તૈયાર કર્યા

160 વિદ્યાર્થીઓ ભાગ લઈ રસપ્રદ ચર્ચાઓ અને નિરીક્ષણ કર્યું
ભાસ્કર ન્યૂઝ.પાટણ

પાટણતાલુકાના કતપુર ગામમાં આવેલ સરકારી ઇજનેરી કોલેજમાં ટેકનિકલ ઓપન હાઉસનું આયોજન કરવામાં આવ્યું હતું. જેમાં ૪૦ જેટલા પોસ્ટર અને મોડેલ વિદ્યાર્થીઓ દ્વારા બનાવીને પ્રદર્શિત કરાયા હતા. જેનો ૧૬૦ વિદ્યાર્થીઓ ભાગ લઈ રસપ્રદ ચર્ચાઓ અને નિરીક્ષણ કર્યું હતું. સ્પર્ધામાં વિદ્યાર્થીઓ દ્વારા વિજ્ઞાન અને નવી ટેકનોલોજીના કૈટલાક પ્રયોગો ખુબજ સારી રીતે દર્શાવામાં આવી હતી.

કર્તપુર કોલેજ ખાતે યોજાયેલ સ્પર્ધાના જજ્ઞસ તરીકે ડો.આર.જે.પાઠક પાલનપુર સાયન્સ કોલેજ તેમજ પ્રો. વી.ડી પટેલને આમંત્રિત કરાતા હાજર રહ્યા હતા. તેમણે ટેકનોલોજી પ્રત્યે જાગૃત બનવાનો અને દેશ- દુનિયામાં થયેલ નવીન શોધોથી અવગત કરાવવા પ્રયાસ કરાયો હોવાનું જણાવ્યું હતું. ઇજનેરી છાત્રો દ્વારા રેડીઓટાવર, જમીન વગરની ખેતી, સોલાર કાર, પાણીનું શુદ્ધીકરણ સરગવાના બીજ વડે બાહ્ય ઊર્જા વગર ચંપ્ર ચલાવવું, એલપીજી રેફ્રીજરેટર, ડ્રોન, ડડી પ્રિન્ટીંગ, મેગ્નેટ ટ્રેન, હાયપર લુપ ટ્રેન, ટર્બો ચાર્જર, ટુ હિલર વગેરેનો સમાવેશ થાય છે. વધુમાં જેમાં કેન્સરની સારવાર નેનો ટેકનોલોજીમાં બડી બોલ અને કોન્ટમ ડોટનો પ્રથમ નંબર અને ગ્રેફાઇટ (પેન્સિલની લીડ) માઇક્રોફોનની કૃતિનો બીજો નંબર આવ્યો હતો. સમગ્ર ઇવેન્ટનું સંચાલન ડો.એચ.એસ.ભુતાડીયાએ કર્યું હતું. જેમાં આચાર્યએ માર્ગદર્શન પૂરું પાડ્યું હતું. સરકાર દ્વારા ચાલતા પ્રોજેક્ટમાંથી નાણાકીય સહાય મળી હતી.

Press Note (Divya Bhaskar:13/3/2016)

Conclusion:

- As the event was aimed to aware the students about recent advancement in technical education and we successfully meet the prerequisite of the event at the end of day. Any technical institution must focus in the direction, where we can invoke the technical capability of students. This was our small but important step toward that direction.
- Without kind interest and support from head of institution (Dr. S. P. Dave & Dr. H. S. Patel) no event can land at this level of success, so feeling pleased to have supporting and creative institute head.
- This time we introduced one new concept, that senior students can also put their projects for better exposure before expert and faculties to incorporate advance inputs in their projects. We got good response in that direction and hope for still more intensify response from senior students in upcoming open houses.
- Students from all the branches (Civil and Mechanical 2nd Semester) participated with great enthusiasm and presented their creative ideas before the experts and faculties. At the end of day, participant felt confident and enrichment of advance knowledge that itself reflect the grand success of event.

“May God bless whole world with Peace and Prosperity”

=====JAY SHRI KRISHNA=====