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A. Y. Dadabhai Technical Institute (Polytechnic)

Managed by :

The Suratee Sunni Vohra Muslim Education Society, Surat.

Kosamba - Mahuvej Road, Kosamba-394120. (Guj.) Dist.-Surat.

Phone No - (02629) 235951,52 - Fax - 02629-235955

E-mail : aydtech@yahoo.com - Website : www.aydadabhaitech.org

The Suratee Sunni Vohra Muslim Education Society, Surat.

"Where Charity grow with"

The Suratee Sunni Vohra Muslim Education Society, Surat. (SSVMES) is established in 1947 under the Bombay Public Trust act 1950 (BOM XXIX of 1950) at Baroda Trust Registration No. F-14 Surat dated 21/07/1953.

The Suratee Sunni Vohra Muslim Education Society, Surat. is fully devoted to the noble cause of spread of education in the community of South Gujarat region. Trust objective is to impart quality education from Nursery, Primary, Secondary, Higher Secondary under graduate, post graduate levels in Art, science and engineering, vocational Training Diploma Engineering, Medicine etc.

Alhamdulillah, by the grace of almighty Allah and with the sincere support by our well wishers. Donors and under the excellent guidance of our experts, co-workers, we successfully completed the year under report.

Brief Report of the Society for the year 2015-2016

NO.	DESCRIPTION	NO. OF STUDENTS	AMOUNT OF SCHOLARSHIP
1	PRIMARY SECTION	1474	22,22,950
2	SECONDARY SECTION	551	11,57,850
3	HIGHER SECONDARY & COLLEGE SECTION	428	52,91,660
4	DINIYAT, DARUL ULOOM (INCLUDING GIRLS)	111	1,92,190
5	WIDOWS	731	21,93,000
6	MEDICAL AIDS	100	3,49,293
7	DRIVING, TAILORING FEES & COMPUTER TECHNICAL SCHOLARSHIP	14	39,300
	TOTAL	3409	1,14,46,243

Our main project is A.Y. Dadabhai Technical Institute (Polytechnic) at Kosamba which has already completed seven years successfully. The campus has been developed and the construction of Administrative building is almost completed.

Our Society is also running the residential school at Kondh (Ankleshwar), I.T.I. at Surat (Rampura) and two hostels for boys at the same time we are publishing the news letter (monthly) "Vohra Samachar" regularly.

OFFICE BEARERS

PRESIDENT	MR. SALIM F. PATEL	ALIPOR
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24	MR. MOHAMMED ABUBAKER ASHRAFF	RANDER

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5	MR. ARIF YAKUB KHANJI	KOSAMBA
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12	MR. IBRAHIM (BABU) G. M. KOLI	MUMBAI
13	MR. KASIM MOHAMMED UNIA	VADODARA

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10	MR. IMRAN F. BANA	TADKESHWAR
11	MR. MOBIN M. GALIYARA	BARDOLI
12	MR. SAEED S. PATEL	BARDOLI

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11	MR. MASUMBHAI GHARAIYYA	ITARVA
12	MR. ZAKARIA AB. HAI BHANA	ITARVA

Office Staff

SR. No.	NAME	DESIGNATION	JOINING DATE	PLACE
1	MR. YUSUF ISMAIL MOTALA	ASST. SECRETARY	02-05-1972	SAYAN
2	MR. ZIYAUDDIN AIYUB KAZI	HEAD CLERK	27-08-1992	ANKDOD
3	MR. ISMAIL SULEMAN BHARUCHI	ACCOUNTANT	01-07-2010	KOSAD
4	MR. M. ASLAM YAKUB PATEL	CLERK Vohra Samachar	15-07-1997	ALUNJ
5	MR. ABDUL VAHID A.KAIYUM ANSARI	COMPUTER OPRT.	15-07-1997	KHOLVAD
6	MR. ABDURRASHID G. KADIR MOALLIM	CLERK	01-04-2007	SURAT
7	MR. IMRAN SAMANDAR KHAN PATHAN	CLERK	01-06-2004	UMARWADA
8	MR. YAKUB ADAM HATIA	PEON	16-05-1988	PANOLI



1. Complementary messages
2. Institute profile
 - Academic programmes
 - Departments details
 - Library
 - Committees
 - Training & Placement Cell
 - GTU - Innovation Council (GIC)
3. Academic Report
4. Reports of curricular & Extra Curricular Activities
5. Media Mirror
6. Articles



Pranay Surti

Chief Editor

A.Y.Dadabhai Technical Institute

A.Y. Dadabhai Technical Institute, Kosamba run by the Surtee Sunni Vohra Muslim Education Society is intended to provide on excellent environment for Technical Education to meet the challenge of empowerment.

Besides the Technical Education the Institute also put an effort for complete development of students through diversified activities. Among them "Rahein path to glory - 4th Edition" the annual magazine is one of the attempt to utilize the hidden potential of the Students & Faculties. An effort has been made to cover & present all the information regarding institute also with Technical & Non-Technical articles.

I would like to congratulate & wish all sucess for 4th Edition of Rahein - path to glory.

Editorial Board

Chief Editor

Mr. P.J. Surti

I/C. H.O.D. Mech. Engg. Dept.

Editor

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I/C. H.O.D. Elect. Engg. Dept.

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Lect. Elect. Engg. Dept.

Mr. D.G. Kalathia

Lect. Mech. Engg. Dept. / T.P.O.

Mr. A.S. Ghariya

Lect. Huminity & Science Dept.

All correspondence to be addressed to :

The Director

A.Y. DADABHAI TECHNICAL INSTITUTE (POLYTECHNIC)

Kosamba-Mahuvej Road, Kosamba-394120. Dist. Surat. (Guj.) INDIA

Ph.: (02629) 235951,52 • Fax : 02629-235955 E-mail : aydtech@yahoo.com • Website : www.aydadabhaitech.org

Opinions and write-ups in this issue are those of contributors.

Editorial Board and the Institute assume no responsibilities in any way on this account.

Complementary Messages



Salimbhai F. Patel

(President)

The Suratee Sunni Vohra Muslim
Education Society, Surat.

I appreciate the Tendency of faculty and students to think beyond the curriculum and in the field of Technical developments, art, literature, sports etc. and express my innermost congratulations to the entire Team of **"Rahein Path to Glory"**. for the **4th Edition**.



M.M. Dalchawal

Director

A.Y. Dadabhai Technical Institute

Journey begin from the year 2008 to 2016 in the field of recent developed technical research, I am gratefully present the fourth (4th Edition) of "Rahein" which will cover the technical activities and social responsibility done by us in addition with our marvelous results achieved in the previous year. I pray to almighty that all our dream comes true in next coming year. At the same time I heartily thanks to our respective trustees, staff members and my students who makes to my journey to achieve all goals.



Hemant I. Patel

Principal

A.Y. Dadabhai Technical Institute



M.M. Bhana Patel

(Hon. Gen Secretary)

The Suratee Sunni Vohra Muslim
Education Society, Surat.

In the era of mordenization and advancement, the **"Rahein Path to Glory"**. will became a platform to express the manifold imaginations & Emotions of faculties & students.

I appreciate and congratulate all the members of editorial board of **"Rahein Path to Glory"**. for their effort in putting this issue together.

In today's world of extreme competition, technological advancement, new innovations and liberalization, technical education is facing the challenges not only from the inside but also from the outside world. Hence the role of administrators, Planners, Teachers and industries has become very important to provide the best technical education to the students and also to provide all kinds of facilities required the for their all round development.

The students at A.Y. Dadabhai Technical Institute, Kosamba are coming with a hope, dream and trust. Let us work to gather to make them best technocrat allong with the good citizen of the planet earth.

Fulfilling the dreams of our students is fulfilling our dreams, their, success is our success.

INSTITUTE PROFILE

ABOUT INSTITUTE

A.Y. Dadabhai Technical Institute (Polytechnic) established in 2007, managed by “The Suratee Sunni Vohra Muslim Education Society” – Surat has become a pioneer institute for Diploma Engineering studies in South Gujarat. The institute affiliated to the “Gujarat Technological University” – Ahmedabad. The institute stretches over 11Acre campus at A.Y. Dadabhai Technical Institute, we certainly believe that we can prepare the next generation future. So we emphasize the faith, unity and discipline.

ACADEMIC PROGRAMMES

No.	Courses Offered	Intake Capacity	Duration
1	Diploma in Civil Engg.	60	3 Yrs.
2	Diploma in Computer Engg.	60	3 Yrs.
3	Diploma in Electrical Engg.	60	3 Yrs.
4	Diploma in Mechanical Engg.	120	3 Yrs.
	Total	300	

VISION

To develop the institute to impart technical education globally competitive to equip students with skills and innovative ideas for betterment of nation.

MISSION

- ❖ To Nurture qualitative, dynamic and market driven technical human resource through various branches of engineering and with value addition training programs to cater the exact needs of nation.
- ❖ To impart transparent and good governance along with accountability in all aspects to stakeholders.
- ❖ To enhance industry-institute-alumni interaction platform for mutual benefit.

OUR STRENGTHS

- Academic Infrastructure
- Smart Board Teaching
- Excellence Award
- Corporate Recruitment Training Program
- Student Development cell
- Industrial Alliances
- Teaching Methodology
- Qualified, Experienced, dynamic & highly dedicated faculties.
- Entrepreneurship Development cell
- Campus Interface
- Rich Library
- Air-cooled seminar Halls
- Excellence in Hosting Pool Events
- High Speed Internet Connectivity
- High Tech. class-rooms
- High Impact Departmental Laboratories
- Advance Computer Labs
- Cafeteria



NAME OF DONORS AND WELL WISHERS

A. Y. Dadabhai Technical Institute (Polytechnic) run by **The Suratee Sunni Vohra Muslim Education Society, Surat.** is very much thank full to all our respected donors & well wishers for giving their kind support. We are running following Engineering Departments & Respective Laboratories with respective donor names.

DEPARTMENTS

SR. No.	NAME	PLACE	DEPARTMENT
1	HITECH F.Z.E. THROUGH (JANAB IQBAL BANGEE SB.)	MOTAVARACHHA, INDIA	ADMINISTRATIVE BUILDING
2	DR. YAKUB M. GANGAT SB.	USA	MECHANICAL
3	BADAT FAMILY (LATE ISMAIL AHMED BADAT SB.)	VASRAVI, INDIA	CIVIL
4	HAJI MOHAMMED KASAM SABAT SB.	UK	ELECTRICAL
5	HANIFBHAI A. MANJRA SB.	MOSALI, INDIA	COMPUTER

LABORATORIES & CLASS ROOMS

SR. No.	Name	Place
1	Essack Family. Haji Mehmud Haji Ibrahim Essack	South Africa
2	Haji Ahmed G.M. Randeri (D.C.D. Group of Overseas)	U.K.
3	Dr. Moosaji D.M. Lockhat	U.K.
4	Brother of Panama Through Advocate A. Haq Wadiwala Sb.	Panama
5	Late Mr. & Mrs. Ismail Mohammed Bangee & Son's	Motavarachha
6	Late Haji Ahmedbhai Sabat	U.K.
7	Late Hajiyani Saraben Gangat	Zambia
8	Haji Ismail A.Hai Tarajiya	U.K. (Vankaner)
9	Farukbhai Fara	U.K.
10	One Muslimbhai	Variyav
11	Islamic Education Trust of QueensLands (Limbada Brothers)	Australia
12	Late Haji Ahmed Mohammed Motala (Mogal)	Kosamba
13	Haji Yusuf Amoji Lunat	UK (Bamanvel)

SR. No.	Name	Place
14	Haji Ismail Ahmed Dadibhai	Batley (Lajpore)
15	Late Haji Yusuf Mohammed Randera	Malavi
16	Late Amina & Late Ahmed Patel	U.K., Canada
17	Yakub (Yusuf) Esup, Kara	London U.K.
18	Yusuf Hussain Randeri (Prof.)	Durban, S. Africa
19	Jiddahvasi Brothers	Jiddah
20	Mohammed S. Peerbhai	London U.K. (Bardoli)
21	Haji Mehmud Haider Voraji	Motavarachha
22	Janab Suleman Nawab & Janab Mahmad S. Nawab	Panama (Dabhel)
23	Faizal Tex Charitable Trust	Preston (U.K.)
24	Haji Ahmedbhai E. Sidat	London U.K.
25	Abbas (Abbasi) Shethna Family	Dubai
26	M.C. Ghur, Haji Hafez Husain Moolla	South Africa
27	Janab Ismailbhai Jasat	Toronto
28	Late Ibrahim Mahamad Moolla	Reunion
29	Janab Mohammed Ismail Voraji	Motavarachha
30	Haji Aiyub G.H. Dadabhai	Motavarachha
31	Late Haji Yusuf Davji Voraji & Late Khatija Yusuf Voraji	Motavarachha
32	Zakir Mahmad Davji Patel	Canada (Sanjali)
33	Ismail Gulam Hussain Bharuchi	London U.K.
34	Janab Ahmed Saeed Bhaiyyat	Preston (Motavarachha)
35	Late Mohammed Yusuf Motala, Late Fatima Through (Haji Yusuf Motala) (Ladavia)	Kosamba
36	Late Maulana Dawood Mohammad Limbada	Bolton (Umarwada)
37	Janab Moosa Ismail Darsot	Durban, S.Africa
38	Janab Yakub Moosa Patel (Taiyaba Bakery)	Blackburn (U.K.)
39	Janab Majidbhai Anawalwala	U.K.
40	Haji Mohammed Haji Moosaji Patel	Canada (Sawa)
41	Late Haji Abdul Rashid Patel	Malton (Ankdod)

SR. No.	Name	Place
42	Late Janab Abdul Haq Amla	U.K. (Surat)
43	Furniture Discover	Preston (U.K.)
44	Valli Charitable Trust	Leicester (U.K.)
45	One Muslimbhai	Leicester (U.K.)
46	Kika Family	Birmingham (U.K.)
47	Janab Bashirbhai Timol	Bolton (Kathor)
48	One Muslimbhai	Toronto
49	Janab Shaukat F. Sidat	Botsvana
50	Brothers of Batley	U.K.
51	Zakariya Masjid	U.K.
52	Janab Yusuf Mohammad Sidat	U.K.
53	Janab Gulam Mahammed Moolla	USA (Bardoli)
54	One Muslim Brother	Rander
55	Kathor Special Fund	South Africa
56	Janab Aiyub Ismail Limbada	Kosamadi
57	Late Janab Babubhai Salehji	Kosamba
58	Haji Ismail Ishaqji Patel	Mahuvej
59	Late Ismail Dawji Voraji	Motavarachha
60	Late Fatima Ibrahim Kazi	Motavarachha
61	Late Janab Haji Ahmedbhai Jogwadwala	Leicester (U.K.)
62	Janab Yakub Yusuf Khanji	Kosamba
63	Janab Ismail Yakub Moosaji Patel	U.K.
64	Isale Sawab for Late Anisha Gosla (Through Dr. Fakir Mohammed Gosla)	U.S.A.
65	Late Fatima Ahmed Nakhuda (Motorwala) D/o. Moosa Nakhuda,	Tadkeshwar
	Late Zulekha Moosa Nakhuda (Motorwala) Through Janab Aiyub Nakhuda	Tadkeshwar
66	Janab Ibrahim V. Patel	Blackburn (U.K.)
67	Janab D.M. Motala	Durban S.Africa
68	Late Janab Mohammed Suleman Collector	Bardoli (U.K.)

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University & Institute Topper

congratulations



We are Happy for our student of Computer Engineering Department **Varma Sapna M.** Got the 1st Rank among 131 diploma colleges in all branches and got Gold Medal from Gujarat Technological University.



GTU DEPT WISE SCHOLARS



Bhavisha P. Kher
SPI : 10.00
(Civil)



Shivam Singh
SPI : 9.66
(Civil)



Rahi Rahat M. Mikrani
SPI : 9.66
(Civil)



Krutik Sapariya
SPI : 9.55
(Civil)



Milan Gabani
SPI : 9.42
(Civil)



Abdullah F. Lala
SPI : 9.39
(Civil)



Sapna M. Verma
SPI : 10.00
GTU 1st All Branch
(Computer)



Sabiha S. Pandor
SPI : 10.00
(Computer)



Urvi A. Raval
SPI : 9.84
(Computer)



Dipali K. Chauhan
SPI : 9.84
(Computer)



Krina J. Surma
SPI : 9.83
(Computer)



Jagruti Kanthariya
SPI : 9.83
(Computer)



Neelam P. Parmar
SPI : 10
(Computer)



Priyanka Vankar
SPI : 9.4
(E&C)



Fehmida M. Shaikh
SPI : 9.2
(E&C)



Sehjad M. Behlim
SPI : 9.61
(Electrical)



Ashfaq A. Patel
SPI : 9.39
(Electrical)



M. Vali S. Shaikh
SPI : 9.80
(Electrical)



Sahal H. Motala
SPI : 9.66
(Electrical)



Anirudhsinh B. Jadav
SPI : 10
(Electrical)



Vishal B. Patel
SPI : 9.82
(Electrical)



Safwan B. Fariya
SPI : 9.79
(Electrical)



Digvijay C. Ankrodiya
SPI : 9.50
(Mechanical)



Rajan B. Mistry
SPI : 9.3
(Mechanical)



Yahya F. Patel
SPI : 10.00
(Mechanical)



Anjum Malek
SPI : 9.88
(Mechanical)



Himanshu S. Sharma
SPI : 9.71
(Mechanical)



Ajaykumar P. Chauhan
SPI : 9.68
(Mechanical)

congratulations

Our following staff members are selected as lecturer in government polytechnics through GPSC. "AYDTI" Family congratulate them & best wishes for their bright future.



Mrs. B.M. Patel
Dept. Civil



Miss. T.C. Patel
Dept. Civil



Mrs. P.A. Mali
Dept. Computer



Mr. B.V. Chaudhary
Dept. Mechanical



Mr. Denish Maisuriya
Dept. Civil
ONGC

Welcome



Mr. N.J. Patel
M.E. - (Transportation)

"AYDTI" Family welcomes Mr. N.J. Patel as a Head of Department of Civil Engineering from Dec. 2016.

Best Wishes

Best Wishes to following staff members for pursuing their Master Degree at Different Universities.



Mr. P.A. Patel
Dept. Civil



Mrs. S.S. Multani
Dept. Computer



Mr. M S Dinath
Dept. Electrical

MOU with Industry

A Y Dadabhai Technical Institute, Kosamba had been constantly putting its best effort in establishing & strengthening co-operations with industries since its insertion in the year 2008. To take this forward, we have signed MOU with the industry in order to make this relationship more robust.

The Agreement made between **(A Y Dadabhai Technical Institute, Kosamba) AYDTI-K** and **(Brakes India Pvt. Limited, Jhagadia) BIPL-J** to confirm the common desire of both & also to bridge the gap between Industry & Technical Institute in order to make students better employable & industry ready & to explore the areas of co-operation, benefiting both the Institute & the Industry.

The MOU was signed at Brakes India Pvt. Limited, Jhagadia on 24th December, 2016 with **Mr. S. Murlikrishnan (General Manager-Operations)** representing **BIPL-J** & **Mr. M. M. Dalchawal (Director)** representing **AYDTI-K**.



&



Moments during MOU signing



Department Profile







Civil Engineering Department
Sponsored by :

Badat Family (Late Ismail Ahmed Badat Sahab) U.K. Vasravi, India

VISION

To impart knowledge of civil engineering with global perspective to our students and make them technologically sharp, ethically strong and employable to build our nation.

MISSION

-  To reinforce civil engineering knowledge and develop technical skill to serve globally in all areas of civil engineering.
-  To promote students for innovative thinking and to bring out their inborn talent to face the challenges of civil engineering.
-  To cultivate high regard for ethical principles and understandings of human and environmental realities.
-  To provide necessary career guidance and train our learners to cater the need of technical manpower of industries.

From H.O.D.'s DESK

A warm welcome to the Department of Civil Engineering of A.Y. Dadabhai Technical Institute. Civil Engineering - the discipline deals with a wide variety of engineering tasks like planning, designing, supervision, construction, executing structural works etc.

A Civil Engineer is responsible for planning and designing a project, constructing the project to the required scale and maintenance of the product. A Civil Engineer requires not only a high standard engineering knowledge but also supervisory and administrative skills too.

Our department has a team of qualified and experienced faculty members and we are continuously trying to improve upon the quality of education. And with this we encourage the students to say, "I see it, I get it, I can do it" by providing educational, co-curricular and extra-curricular activities.

Last but not least, "Life is less complicated than it seems. Good habits and hard work are all it takes to succeed and aim". So dear student, work hard to achieve your goal. All the best.

Also my best wishes for the success of Raheem-2016. JAY HIND



Mr. P.A. Patel

I/c HOD Of Civil Engg. Dept.

DEPARTMENT OF CIVIL ENGINEERING

Result Analysis

BATCH - 2013

SR. NO	SEM	ENROLLMENT NO.	NAME	PLACE	SPI	EXAMINATION	RANK
1	5th	136010306048	SAPARIYA KRUTIK D.	SURAT	9.55	Dec-2015	1
2		136010306009	GABANI MILAN G.	SURAT	9.42	Dec-2015	2
3		136010306017	LALA ABDULLAH FAIZAL	SURAT	9.33	Dec-2015	3
1	6th	136010306009	GABANI MILAN G.	SURAT	9.85	May-2016	1
2		136010306048	SAPARIYA KRUTIK D.	SURAT	9.55	May-2016	2
3		136010306017	LALA ABDULLAH F.	SURAT	9.39	May-2016	3

BATCH - 2014

SEM	SEM	ENROLLMENT NO.	NAME	PLACE	SPI	EXAMINATION	RANK
1	3rd	146010306012	KHER BHAVISHABEN P.	KOSAMBA	10.00	Dec-2015	1
2		146010306015	MIKRANI M RAHIRAHAT	BHARUCH	9.66	Dec-2015	2
		146010306053	SINGH SHIVAM U.	BHARUCH	9.66	Dec-2015	
3		146010306051	SHAIKH SHABBIRBHAI M.	KOSAMBA	9.44	Dec-2015	3
1	4th	146010306012	KHER BHAVISHABEN P.	KOSAMBA	9.85	May-2016	1
		146010306015	MIKRANI M RAHIRAHAT	BHARUCH	9.85	May-2016	
		146010306053	SINGH SHIVAM UPENDRA	BHARUCH	9.85	May-2016	
2		146010306051	SHAIKH SHABBIRBHAI M.	KOSAMBA	9.70	May-2016	2
3		146010306010	KADIWALA ZAMEER HAIDER	BHARUCH	9.55	May-2016	3

BATCH - 2015

SEM	SEM	ENROLLMENT NO.	NAME	PLACE	SPI	EXAMINATION	RANK
1	1st	156010306016	MAKWANA CHINTANKUMAR L.	SURAT	10.00	Dec-2015	1
2		156010306044	PATHAN SAYMABANU F.	BHESTAN	9.57	Dec-2015	2
3		156010306025	MISTRY MEETKUMAR BIPINBHAI	KOSAMBA	9.25	Dec-2015	3
1	2nd	156010306016	MAKWANA CHINTANKUMAR L.	SURAT	9.87	May-2016	1
2		156010306044	PATHAN SAYMABANU F.	BHESTAN	9.74	May-2016	2
3		156010306025	MISTRY MEETKUMAR BIPINBHAI	KOSAMBA	9.35	May-2016	3

EXPERT LECTURE

SR. NO.	SUBJECT	TOPIC	NAME OF EXTERNAL PROFESSIONAL
1	AUTO CAD (3340606)	2D & 3D	MR.VISHAL BHADANI CAD CENTER SURAT
2	W.S. & S.E. (3350603)	SEWAGE WATER TREATMENT	MS.DIPI A.PATEL C.K.PITHAWALA
3	W.S. & S.E. (3350603)	WATER TREATMENT	MS.HIRAL B.PATEL C.K.PITHAWALA
4	PRO-I RAIN WATER HARDWESTING	RAIN WATER HARVESTING SYSTEM	MR.DHAVAL JOSHI SHAKTI ENTERPRICE AHMEDABAD
5	MOTIVATION	MOTIVATION	MR.DIPESH SHAH VALSAD
6	CONC.TECH (3350602)	ADVANCE TECHNOLOGY IN CEMENT & CONCRETE	MR.ALPESESH GANDHI AMBUJA CEMENT SURAT
7	D.S.S. (3350601)	DESIGN OF STEEL TRUSS	MR.DARSHIT VAJANI SURAT
8	EARTH QUAKE RESIS STRUTURE	EARTH QUAKE STRUTURE DETAILING	MR.CHETAN SAPARIYA SURAT
9	D.S.S. (3350601)	DESIGN OF STEEL BEAM	MR.C.H.BHATT GEC SURAT
10	BUILDING SERVICE (3360604)	MECHANICAL SERVICES OF BUILDING	MR.S.A.KAPADIYA A.Y.D.T.I .KOSAMBA
11	BUILDING SERVICE (3360604)	ELECTRICAL SERVICES OF BUILDING	MR.M.S.DINATH A.Y.D.T.I .KOSAMBA
12	NARMADA PROJECT	BENEFITS OF NARMADA PROJECT	MR.S.M.KANHARE GOVT.POLYTECHNIC, RAJPIPLA

EDUCATIONAL VISIT DETAIL

SR. NO.	SUBJECT WITH CODE	PLACE
1	W.S. & S.E. (3350603)	HYDRAULIC DEPARTMENT, S.M.C.,SUART
2	B.M. (3330601)	PIRAMAL GLASS COMPANY, KOSAMBA
3	SURVEYING (3330605)	SURVEYING PROJECT, ZANKHVAV
4	ADVANCED SURVEYING (3340602)	TACHEOMETRY SURVEY , SAPUTARA
5	CONS.TECH. (3330602)	PEARL CITY , KOSAMBA
6	CONS.TECH. (3330602)	MULTI LEVEL BRIDGE JOINT, ADAJAN PATIYA SURAT
7	A.C.T. (3350605)	MULTI LEVEL BRIDGE JOINT, ADAJAN PATIYA SURAT
8	W.R.M. (3340604)	SARDAR SAROVER DAM
10	CONS.TECH. (3330602)	CONSTRUCTION SITE, KOSAMBA
11	M. & R.S. (3360605)	REPAIRIG IN COMPOUND WALL,KOSAMBA
12	B.T.E. (3340603)	RAILWAY STATION, KOSAMBA
13	A.C.T. (3350605)	CONSTRUCTION SITE, KOSAMBA

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Department Profile






Computer Engineering Department
Sponsored by :

Janab Hanifbhai A. Manjra Sahab (Mosali, India)

VISION

To develop engineers with strong technical background and competency needed to stand in competitive computing world.

MISSION

-  To provide technical education with ethics to become successful engineer in computing filed.
-  To provide knowledge and skill to manage and improve the need of modern society.
-  To educate students with lifelong learning capabilities for higher education to excel in competitive world.

From H.O.D.'s DESK

Now a days Computers are used everywhere to reduce the manpower requirement, ease of computation and to improve the efficiency. The scope of computer Engineering is endless. Our department is dedicated to provide quality education along with all the new advancement in the computer field and to provide platform for the student to achieve their career goals.

We do not aim to make our students specific to any language or package. Instead, they are given a strong foundation of the field and problem-solving techniques, and are made adaptable to changes.

As Thomas Friedman said "World is flat... opportunities are immense. It's just a question of identifying opportunities and making the best of them". I wish warm wishes to all the students for their bright future.



Mrs. S S Multani

I/c HOD Of Computer Engg. Dept.

EXPERT LECTURE RECORD DURING ACADEMIC YEAR 2015

SR. NO	NAME OF EXPERT	DATE	SUBJECT	SEMESTER	BATCH	STUDENT STRENGTH
1	Mr.Vintesh M. Patel, Application Engineer, JUMPBYTE ,Surat	19/03/2015	Advance Java [3360701]	6th Sem	BATCH 2012-13	39
2	Mr.Mayank Abiyani, Sr.Software Developer,Invision Software Solution,Ahmedabad	01-04-2015	MCAD [3360704]	6th Sem	BATCH 2012-13	39
2	Mr.Sachin Sureja, MD , Appin Technology , Surat	06-08-2015	CNS [3350704]	5th Sem , 3rd Sem	BATCH 2013-14 , BATCH 2014-15	73

EXPERT LECTURE RECORD DURING ACADEMIC YEAR 2016

SR. NO	NAME OF EXPERT	DATE	SUBJECT	SEMESTER	BATCH	STUDENT STRENGTH
1	Mr.Dharmesh Dalal SUNINFOSYSTEM , SURAT	29/01/2016	Opportunities in IT	6th ,4th	BATCH 2013-14,BATCH 2014-15	75
2	Mr.Nipun Rajput Tops technology , Surat	15/03/2016	Android MCAD [3360704]	6th	Batch 2013-14	30

List of faculty participation in Short term Training/Seminar/Workshop/Conference

1	Mr. J. M. Barad (Lect. in Computer Engg. Dept.)	Computer	Privacy Preserving Data Minig	TEQIP-II	25/05/2015	29/05/2015	5	SVNIT,Surat
2	Mr. S. S. Multani (I/C HOD in Computer Engg. Dept.)	Computer	NBA Accreditation & CBCS	ISTE	06-08-2015	06-12-2015	5	AYD , Kosamba
3	Mr. J. M. Barad (Lect. in Computer Engg. Dept.)	Computer	NBA Accreditation & CBCS	ISTE	06-08-2015	06-12-2015	5	AYD , Kosamba
4	Mr. A. K. Desai (Lect. in Computer Engg. Dept.)	Computer	NBA Accreditation & CBCS	ISTE	06-08-2015	06-12-2015	5	AYD , Kosamba
5	Mr. P. A. Mali (Lect. in Computer Engg. Dept.)	Computer	NBA Accreditation & CBCS	ISTE	06-08-2015	06-12-2015	5	AYD , Kosamba
6	Mr. V.M.PATIL (Lect. in Computer Engg. Dept.)	Computer	Big Data and Advanced video Compression	TEQIP-II	29/06/2015	07-03-2015	5	SVNIT,Surat
7	Mr. J. M. Barad (Lect. in Computer Engg. Dept.)	Computer	Research Oppurtunities in Information and Network Security	ISTE	30/11/2015	12-04-2015	5	BVM , Vallabh Vidyanagar

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Department Profile



Electronics & Communication Engg. Dept.

VISION

In the era of communications there is necessity of energy conservations and connecting all the worldwide people to perform most of their activities easily, effectively & efficiently.

MISSION

To develop engineers with good knowledge having better problem solving skills also have capabilities to accept challenges & to be competitive under discipline & perform their duties to live better lives for mankind.

From H.O.D.'s DESK

Today the technology is changing so fast and need of the consumer is increased day by day. These affect the consumer market, industries, government organizations etc. Also in the market and in the technical field the demand of the skilled person is increased rapidly. The state government & the central government have been declared the policy related to Electronics field to fulfill the demand of the consumer. So, it is a good opportunity for us to get the right job related to our field. But the problem is the students & their parents have no information related to this. Also the approach of the students is very poor for the studies. They are not sharing their problems or difficulties. We expect the right feedback from our students & their parents. This will be helpful to them. At here we try to develop our system such that after completing of the diploma engineering, the student can withstand themselves in this changing environment and getting the good job.

Best of luck for your future.

Electronics and communication engineering deals with the design and practical application of electronic equipments for efficient communication. Electronic Engineers have not only knowledge of electronic components but also knowledge of computers, electrical, instrumental field.



Mr. S M Kukana

I/c HOD Of E&C Engg. Dept.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

BATCH 2012 – 2013

SR. NO.	SEMESTER	ENROL NO.	NAME OF STUDENTS	S.P.I.	EXAMINATION	RANK
1	5th	126010311001	Shaikh Shana Parvin M.	9.60	Dec-14	1
2		126010311003	Parmar Roshanikumari J.	9.27	Dec-14	2
3		126010311017	Shrivastav Amit V.	9.00	Dec-14	3
1	6th	126010311001	Shaikh Shana Parvin M.	9.60	May-15	1
2		126010311003	Parmar Roshanikumari J.	9.40	May-15	2
3		126010311014	Shaikh Arif M.	9.33	May-15	3

BATCH 2013 – 2014

SR. NO.	SEMESTER	ENROL NO.	NAME OF STUDENTS	S.P.I.	EXAMINATION	RANK
1	3rd	136010311047	Vanker Priyankaben D.	9.26	Dec-14	1
2		136010311038	Shaikh Fehmidabanu M.	9.06	Dec-14	2
3		136010311019	Mistry Ritaben K.	9.00	Dec-14	3
1	4th	136010311047	Vanker Priyankaben D.	9.63	May-15	1
2		136010311038	Shaikh Fehmidabanu M.	9.47	May-15	2
3		136010311011	Kher Margishababen P.	8.43	May-15	3



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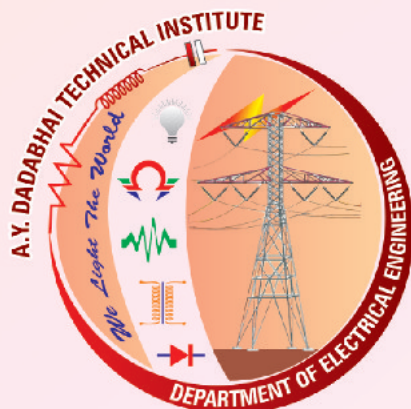
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Department Profile



Electrical Engineering Department Sponsored by :

Haji Mohammed Kasam Sabat Sahab (U.K.)

VISION

To establish the department by transmitting innovative electrical engineering skills to meet the requirements of industries and nation.

MISSION

- ✎ To prepare a cadre of engineers and professionals to cater to the industrial development and economic growth of country.
- ✎ To educate and to give requisite technical skills with the consideration of all phases to beneficiaries.
- ✎ To establish common platform for institute - industry - alumni to serve nation.

From H.O.D.'s DESK

The time running for Engineering various branches are not as best as in the past. So the time come to provide a proper and technical skilled knowledge to our students of various engineering branches, so it will full fill all the basic needs of current and future. industrial scenario.

We the Electrical Engineering Department of A.Y. Dadabhai Technical Institute will try to focus on the Quality Technical Education with Comfortable mode of jobs and recruitment in this competition days and settle our students to a emerging and technically sound atmosphere.



Mr. M S Dinath

I/c HOD Of Electrical Engg. Dept.

DEPARTMENT OF ELECTRICAL ENGINEERING

BATCH 2012 – 2013

SR. NO.	SEM	RANK	ENROL NO.	NAME OF STUDENTS	S.P.I.	EXAMINATION	PLACE
1	5 th	1	126010309005	Patel Mo. Shahnawaz Imtiyaz	9.81	Dec – 14	Bharuch
2		2	126010309030	Raval NayanSukhabhai	9.66	Dec – 14	Sayan
3		3	126010309001	Sheikh Irbaz Idris	9.63	Dec – 14	Kosamba
1	6 th	1	126010309001	Sheikh Irbaz Idris	10	May – 2015	Kosamba
2		2	126010309033	Mistry HimanshuDilipkumar	9.64	May – 2015	Kosamba
3		3	126010309023	Padaliya Mo. Sohel Mo Rafik	9.46	May – 2015	Kosamba
4			126010309046	Motala AiyubFaizal	9.46	May – 2015	Sayan

BATCH 2013 – 2014

SR. NO.	SEM	RANK	ENROL NO.	NAME OF STUDENTS	S.P.I.	EXAMINATION	PLACE
1	3 rd	1	136010309024	Motala sahal Harun	9.61	Dec – 14	Sayan
2			136010309052	Sheikh Mo. Vali Saeedbhai	9.61	Dec – 14	Kosamba
3		2	136010309012	Jadav Aniruddhsinh Bharatsinh	9.36	Dec – 14	Kosamba
4		3	136010309050	Shah Mo. Sajid Ssaeed	9.24	Dec – 14	Kosamdi
1	4 th	1	136010309012	Jadav Aniruddhsinh Bharatsinh	10	May – 2015	Kosamba
2		2	136010309052	Sheikh Mo. Vali Saeedbhai	9.8	May – 2015	Kosamba
3		3	136010309024	Motala sahal Harun	9.6	May – 2015	Sayan

BATCH 2014 – 2015

SR. NO.	SEM	RANK	ENROL NO.	NAME OF STUDENTS	S.P.I.	EXAMINATION	PLACE
1	1 st	1	146010309004	Belim Shehjad Mahmad	8.81	Jan – 2015	Dadhal
2			146010309030	Patel Ashfak Adam	8.81	Jan – 2015	Bharuch
3		2	146010309033	Patel Fayaz Mah. Iqbal	8.63	Jan – 2015	Ankleshwar
4		3	146010309022	Mansuri Nauman Altafbhai	8.44	Jan – 2015	Kosamba
1	2 nd	1	146010309030	Patel Ashfak Adam	9.7	May – 2015	Bharuch
2		2	146010309004	Belim Shehjad Mahmad	9.4	May – 2015	Dadhal
3		3	146010309003	Ansari Arbaz Zakaullah	9.1	May – 2015	Bharuch

DEPARTMENT OF ELECTRICAL ENGINEERING

Industrial Visits

SR. NO.	DEPARTMENT	SEMESTER	SUBJECT	NAME OF INDUSTRY/INSTITUTE	NOS. OF DAYS	NOS. OF STUDENTS	NOS. OF FACULTIES
1	ELECTRICAL	6 TH	ELECTRIFICATION OF BUILDING	A.Y.DADABHAI TECH.INST.KOSAMBA ,NEW BUILDING	1	61	2
2	ELECTRICAL	6 TH	ELECTRICAL MACHINES	EXCELLENT POWER GENERATOR PVT LTD. PANOLI	1	61	3
3	ELECTRICAL	6 TH	SWITCH GEAR AND PROTECTION	TESTING INSTRUMENT UDHNA	1	61	3
4	ELECTRICAL	6 TH	MAINTENANCE OF TRANSFORMER	RELIANCE TRANSFORMER, PANOLI	1	61	3
6	ELECTRICAL	4 TH	T&D	GETCO LTD. LINDIYAT KIM SUBSTATION	2	30+30	2
7	ELECTRICAL	5 TH	ELECTRICAL WIRING	JAMIA RIYAZUL ULOOM, KOSAMBA(NEW BUILDING)	1	55	3
8	ELECTRICAL	3 RD	ELECTRICAL POWER GENERATION	NUCLEAR POWER CORPORATION OF INDIA LIMITED, KANKRAPAR	1	51	4

SR. NO.	DEPARTMENT	SEMESTER	SUBJECT	NAME OF INDUSTRY	NOS. OF DAYS	NOS. OF STUDENTS	NOS. OF FACULTIES
1	ELECTRICAL	3RD	E.P.G.	GUJRAT STATE ENERGY GENERATION(STAEG)	1	60	4
2	ELECTRICAL	3RD	E.P.G.	SARDAR SAROVAR NARMADA NIGAM LIMITED	1	60	4
3	ELECTRICAL	5TH	POWER STATION	UKAI HYDRO POWER STATION	1	60	4
4	ELECTRICAL	3RD	E.P.G.	UTRAN GAS BASED POWER STATION	1	60	3
5	ELECTRICAL	4TH	SUBSTATION VISIT	LINDYAAT SUBSTATION, KIM	2	30+30	2
6	ELECTRICAL	STAFF VISIT	POWER STATION	NUCLEAR POWER STATION,KANKRAPAR	1	0	6
7	ELECTRICAL	5TH	ELECTRIC TRACTION	ELECTRIC LOCOSHED VADODARA	1	60	2

DEPARTMENT OF ELECTRICAL ENGINEERING

Guest Lecturers

SR. NO.	NAME OF FACULTY	DESIGNATION	FROM	RELATED SUBJECT	SEMESTER
1	MR.V.K.PATEL	HEAD	N.G.PATEL,BARDOLI	POLY PHASE TRANSFORMER AND AC ROTATING M/C	3 RD
2	MR.C.J Bhaidasna	SECTION ENGINEER	RETIRED SECTION ENGINEER RAILWAY	ELECTRIC TRACTION	3 RD +5 TH
3	MR.VAGHASIYA MILAN L.	DIRECTOR	TESTING INSTRUMENT UDIINA,SURAT	ELECTRICAL INSTRUMENTATION	5 TH
4	MR.V.K.PATEL	HEAD OF ELECTRICAL DEPARTMENT	N.G.PATEL,BARDOLI	ENERGY CONSERVATION AND AUDIT	5 TH
5	MR.RAJUBHAI SOLANKI	RETIRED EXECUTIVE ENGINEER	GEB VADODARA	TRANSMISSION AND DISTRIBUTION	3 RD +5 TH

SR. NO.	NAME OF FACULTY	DESIGNATION	FROM	RELATED SUBJECT	SEMESTER
1	DR.SR.JOSHI	PRINCIPAL	GEC VALSAD	BASIC ELECTRICAL ENGINEERING	3 RD AND 5 TH
2	R.M.PANCHAL	RETIRED CHIEF ENGINEER M.G.V.CL.	GEDA GANDHINAGAR	ENERGY CONSERVATION AND AUDIT	5 TH
3	MR. SABBIR BOHRA	PROFESSOR	(SCET COLLEGE SURAT)	ENERGY CONSERVATION	5 TH

CO-CURRICULAR ACTIVITY

SR. NO.	DATE	NAME OF ACTIVIES	DETAILS
1	8/3/2016 to 10/3/2016	ENTERPRENEURSHIP AWARENESS WORKSHOP	'Entrepreneurship Awareness Workshop', Organized by, "The centre of Entrepreneurship development" (A Govt. of Gujarat Organization)
2	04-09-2016	PRAKALP - 2016	Project Exhibition and Quiz competition held for students for motivation and encourage them.

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Department Profile



Mechanical Engineering Department Sponsored by :

Dr. Yakub M. Gangat Sahab (USA)

VISION

To develop the department by imparting quality technical education to students through skill & innovative ideas to cater with the changing needs of industries & nation.

MISSION

- 1) Prepare effective & responsible engineers by providing & environment for quality technical education.
- 2) Constantly strive to improve technical & soft skills along with ethics.
- 3) Respond effectively to the needs of the industry and society.

From H.O.D.'s DESK

The Department of Mechanical Engineering at A.Y. Dadabhai Technical Institute is endeavoring to produce highly trained and capable engineers who can take up the challenges of the real world.

Here, we strive to ensure that all our students have a strong education with teaming and leadership skills, involvement in student activities, we believe that emphasizing these areas will make our students well qualified to take leadership roles in the future.

We have the strong alumni chapter and regular interactions take place with them to set feedback with regard to academic placements etc. Many of our alumni are pursuing their higher studies in government and reputed self financing institutions. A large number of students are placed in reputed companies every year.

I would like to conclude with the words "world is flat, opportunities are immense. It is just a question of identifying opportunities and making the best of them"

I wish very best of luck to the students.



Mr. P.J. Surti

I/c HOD Of Mechanical Engg. Dept.

The Department of Mechanical Engineering has been established in the year 2008, with a sanctioned strength of 60 students for the diploma program. The intake increased to 120 in the year 2009, and remains the same as on date.

Mechanical Engineering is the broadest of all Engineering disciplines, encompassing areas such as energy, fluid mechanics, dynamics, Design Manufacturing processes, Material science etc.

Presently the faculty strength of the department is 20 The Department has established state of the art facilities / Laboratories enabling students learning effectively. The faculty strives to foster and encourage a teaching methodology that is both practical & theoretical in approach tuning to the requirements of the latest developments in industry in the field of Mechanical Engineering.

The Department is working for the improvement of Industry - Institute interaction in terms of academics and also for the development of infrastructure to match the needs of industry.

PROGRAMME OUTCOMES (POS)

- 1) Will be able to know basic entities related to Mathematics, Science and Mechanical Engg. Principles.
- 2) Will be able to understand the functioning of Mechanical equipments.
- 3) An ability to use the techniques, skills and modern engineering tools necessary for engineering practice.
- 4) Will be able to analyze the Production drawing by applying fundamental knowledge.
- 5) Will be able to apply knowledge of Mechanical Engineering in real industries.
- 6) An ability to communicate effectively.
- 7) To function effectively as an individual and as a member or leader in diverse teams and multi disciplinary settings.
- 8) An understanding of professional and ethical responsibilities.
- 9) Will be able to take-up Higher Studies.
- 10) To develop managerial skill so that student can manage production, financial, marketing and human resource management related issues.

PROGRAMME EDUCATIONAL OUTCOMES

- 1) Will gain the ability to identify, formulate and solve different challenging problems of Mechanical Engg. in real world.
- 2) Will have the professional skills necessary to design & innovate the projects with team work and effective communication.
- 3) Will have engaged in life-long learning and professional development through professional studies in engineering.
- 4) Will have gain excellent leadership qualities at levels appropriate to their experience, which addresses issues in a responsive and ethical manner.

DEPARTMENT OF MECHANICAL ENGINEERING

Result Analysis

BATCH 2012 – 2013

SR. NO.	SEMESTER	ENROL NO.	NAME OF STUDENTS	S.P.I.	EXAMINATION	RANK
1	5th	126010319006	Vaghani Chintan K.	9.76	Dec-14	1
2		126010319047	Malek Md. Shehbaz	9.74	Dec-14	2
		126010319022	Sinha Vishwajeet	9.59	Dec-14	3
		126010319124	Suratiya Narendrasinh F.	9.59	Dec-14	
3		126010319125	Patel Tanvir H.	9.59	Dec-14	
1	6th	126010319006	Vaghani Chintan K.	9.82	May-15	1
		126010319125	Patel Tanvir H.	9.68	May-15	2
2		126010319047	Malek Md. Shehbaz	9.50	May-15	3

BATCH 2013 – 2014

SR. NO.	SEMESTER	ENROL NO.	NAME OF STUDENTS	S.P.I.	EXAMINATION	RANK
1	3rd	136010319036	Lakhani Chintan A.	9.41	Dec-14	1
2		136010319039	Malek Anjum Farid G.	9.34	Dec-14	2
3		136010319110	Sharma Himanshu S.	9.31	Dec-14	3
1	4th	136010319039	Malek Anjum Farid G.	9.80	May-15	1
2		136010319053	Ojha Vivek R.	9.80	May-15	
		136010319075	Patel Mohmmadyaha F.	9.54	May-15	2
3		136010319108	Shaikh Mo.Maish A.	9.37	May-15	3
3		136010319110	Sharma Himanshu S.	9.37	May-15	

BATCH 2014 – 2015

SR. NO.	SEMESTER	ENROL NO.	NAME OF STUDENTS	S.P.I.	EXAMINATION	RANK
1	1st	146010319086	PATHAK SANKET A	9.04	Jan-15	1
2		146010319097	RAVAL MITESH G	8.79	Jan-15	2
3		146010319085	PATEL YASH U	8.46	Jan-15	3
1	2nd	146010319045	Mistry Rajan B	9.59	May-15	1
2		146010319051	Munshi Azazahmed R	9.48	May-15	2
3		146010319003	Ansari Sabaullah Z	9.31	May-15	3

DEPARTMENT OF MECHANICAL ENGINEERING

Guest Lectures

S.R. NO.	NAME OF FACULTY	DESIGNATION	FROM	RELATED SUBJECT	SEMESTER	DATE
1	MR.SANJAY JOSHI	PRO-PRITER	TECHNO MECH SOLUTION	cad	4th	04-01-2015
2	MR.SANJAY JOSHI	PRO-PRITER	TECHNO MECH SOLUTION	cam	6th	04-01-2015
3	MR. ASHUTOSH	DIRECTOR	QC-TECH SERVICES	CAREER COUNSELLING WORKSHOP	6th	25/5/2015
4	HEMANSHU PANCHAL	HR DEPT.	brakes india ltd.	SE&ENTD	5TH	07-10-2015
5	RANVEER GOHIL	DIRECTOR	CAD EXPERT, SURAT	CAMD	3RD	16/7/2015
6	DIPAK S. LAGDHIR	RIGIONAL OFFICER	C.E.D. BAHUMALI BHAVAN , SURAT	SE&ENTD	5TH	08-12-2015



DEPARTMENT OF MECHANICAL ENGINEERING

Industrial Visits-2015

SR. NO.	DEPARTMENT	SEMESTER	DATE OF VISIT	NAME OF INDUSTRY	NOS. OF DAYS	NOS. OF STUDENTS	NOS. OF FACULTIES
1	MECHANICAL	4th	21/01/2015	AIA industrial expo-2015 Mega Industrial exhibition, Ankleshwar	1	120	4
2	MECHANICAL	6th (A-div.)	9/3/2015 13/3/2015	Alidhra Weavetech Pvt. Ltd. Udhana, Surat	1	56	2
3	MECHANICAL	6th (A-div.)	9/3/2015 13/3/2015	Rajdeep Boiler Pvt. Ltd. Sachin G.I.D.C. Surat	1	56	2
4	MECHANICAL	6th (B-div.)	11/3/2015 16/3/2015	Alidhra Weavetech Pvt. Ltd. Udhana, Surat	1	56	2
5	MECHANICAL	6th (B-div.)	11/3/2015 16/3/2015	Rajdeep Boiler Pvt. Ltd. Sachin G.I.D.C. Surat	1	56	2
6	MECHANICAL	6th	18/3/2015	Indo German Tool Room Vatva GIDC, Ahmedabad	1	120	10
7	MECHANICAL	6th	18/3/2015	Perfect Boring Machine Vatva GIDC, Ahmedabad	1	120	10
8	MECHANICAL	4th	04-06-2015	Pandvai sugar factory ltd. Pandvai	1	120	4
9	MECHANICAL	5th	25/7/2015	Brakes India Ltd. GIDC. Jhagadia	1	30	2
10	MECHANICAL	5th	25/7/2015	Tata motors ltd. Kamrej	1	30	2
11	MECHANICAL	3rd-A	27/7/2015	Shree Arbuda Foundry, Ankleshwar	1	77	4
12	MECHANICAL	3rd-B	08-01-2015	Shree Arbuda Foundry, Ankleshwar	1	62	4
13	MECHANICAL	3rd-A	08-01-2015	Dyke Engg. Services G.I.D.C. Ankleshwar	1	77	5
14	MECHANICAL	5th	08-01-2015	Patel Ice Factory Bharuch	1	128	7
15	MECHANICAL	5th	07-08-2015	GNFC Bharuch	1	127	6

DEPARTMENT OF MECHANICAL ENGINEERING

Industrial Visits-2016

SR. NO.	DEPARTMENT	SEMESTER	DATE OF VISIT	NAME OF INDUSTRY	NOS. OF DAYS	NOS. OF STUDENTS	NOS. OF FACULTIES
1	MECHANICAL	6th	01-08-2016	AIA INDUSTRIAL EXPO-2016 D.A.Anandpura sport complex, G.I.D.C. Ankleswar	1	109	5
2	MECHANICAL	4th	01-09-2016	AIA INDUSTRIAL EXPO-2016 D.A.Anandpura sport complex, G.I.D.C. Ankleswar	1	139	6
3	MECHANICAL	4th	13/1/2016	PANDVAI SUGAR FACTORY Hanshot road, pandvai.	1	139	7
4	MECHANICAL	4th	25/1/2016	SURAT DISTRICT CO-OP. MILK PROCEDURE UNION LTD. sumul Dairy, surat.	1	139	7



Students Activities

Sr. No.	Event Type	Event Name	No. of Participants	Institute Level Participants
1.	ENTERPRENEURSHIP AWARENESS WORKSHOP	'Entrepreneurship Awareness Workshop'	30	75
2.	Project Exhibition and Quiz competition	PRAKALP - 2016	99	269
3.	TO CELEBRATE AND MOTIVATE FINAL YEAR STUDENTS	FAREWELL PROGRAM OF BATCH-2013	104	104
4.	EXPERT LECTURE ON CAD	EXPERT LECTURE	139	139
5.	EXPERT LECTURE ON PROJECT WORK	EXPERT LECTURE	134	134
6.	EXPERT LECTURE ON THERMAL 2	EXPERT LECTURE	134	134
7.	EXPERT LECTURE ON M.E.3	EXPERT LECTURE	134	134
8.	EXPERT LECTURE ON I.E.	EXPERT LECTURE	134	134
9.	YOGA DAY CELEBRATION	INTERNATIONAL YOGA DAY	150	150
10.	SWACHCHH BHARAT MISSION	SHRAMDAAN	28	28
11.	CELEBRATION OF VISHAWAKRMA JAYANTI	VISWAKARMA JAYANTI	60	60

DEPARTMENT OF MECHANICAL ENGINEERING





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Department Profile



Huminity & Science Department

VISION

To be among the best Huminity & Science Departments in the country and to establish an international reputation as a centre for research and teaching in building block of other departments. To keep abreast of the latest developments, the department keeps on periodically updating and revising its teaching and research schemes and introduce new courses.

MISSION

Our overall objective for the next few years is to strengthen the uniquely interdisciplinary nature of the Department. As we know, the AYD Technical Institute is always mean to impart training not merely in the fundamentals of science and technology but also in innovative thinking. This is likely to be of the most important in a rapidly changing world where the nature of knowledge has been transformed almost beyond recognition. It can and must respond with vigor to the challenge posed by the global dilemmas of the new millennium.

The department has excellent opportunities and facilities for the pursuit of research and development. For the fulfillment of its teaching and research goals, the Department has competent faculty members with a high degree of excellence who keep pace with the current developments in their fields of specialization

From H.O.D.'s DESK

The science and humanities subjects are the foundation subject for all branches of engineering and technology, the vision is too enhance and empower the scientific temperament of students through the knowledge of core courses of applied science and humanities. A combine effort of members of this department from various discipline has made the department very vibrant in transmit knowledge of science to students, fresh from school.

The department offers excellent academic environment with team of qualified faculty members to cater the needs of the student and to inspire them to develop the technical skill.



Mr. M. A. Prajapati

I/c HOD Of Huminity & Science Dept.

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“The Best way to predict your future is to create it.” - Abraham Lincoln

So dear students do the best for bright future and to be a good human being. Wish you all the best. I express my best wishes for the success of Rahein – 4th Edition – 2016.

Jai Hind



Ms. Niharika D. Lad
Head Librarian

Achievement

Contributed Paper in International Symposium on Knowledge and Communication, jointly organized by SVKM,s Narsee Monjee Institute of Management Studies (NMIMS) & Information and communication Department, Faculty of Humanities and Social Science, Khon Kaen University, Thailand held at Shirpur Campus, Dist-Dhule (MS) on June 10-11, 2016.

Title : Use of Social Media Networking in Library

ISBN :- 978-93-85664-16-8

Library

The Library plays a vital role in providing & nurturing knowledge and aids in learning & teaching activities. The primary purpose of the library is to support teaching, research, academic & management programs. It serves as the workshop for the entire college – students and faculty alike.

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Mobile	:	9879488275
E-mail ID	:	niharika_d2004@yahoo.com
Facilities	•	Reading Room
	•	Reference Section
	•	Internet Laboratory

MISSION

Improving quality library information system and service to support teaching, research, academic and management programme and providing and nurturing knowledge and aids in learning and teaching activities.

VISION

To serve as the hub of learning and to act as the gateway of knowledge and invention that exists in print and digital formats to support institutional vision.

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| 1. | Total Books | :- 5618 (Including 1100 Reference Books) |
| 2. | Complementary Books | :- 175 |
| 3. | CDs & DVDs | :- 436 |
| 4. | Student's Project | :- 247 |
| 5. | Journals & Magazines | :- 18 |
| 6. | News Papers | :- 5 |
| 7. | Book Bank Collection | :- 3775 volumes |

GOAL FULFILL

- Started Internet Laboratory to support students and staff for the education purpose.
- Started Alumni Students' Library Facility
- Started e-library for mechanical engineering department
- Recently started Book Bank for First, Second, Third and Fourth Semester, Fifth Semester & Sixth Semester

FUTURE GOAL

- Digitization of all material so that user can avail information by a single click.
- Web OPAC

એ.જી. બોબાત બુકબેંક સ્કીમ રિપોર્ટ-વર્ષ ૨૦૧૬-૨૦૧૭

એ.વાય. દાદાભાઈ ટેકનીકલ ઈન્સ્ટીટ્યુટ સંચાલિત એ.જી. બોબાત બુકબેંક સ્કીમ અંતર્ગત વર્ષ ૨૦૧૫-૨૦૧૬ માં પ્રથમ સેમેસ્ટર અને ત્રીજા સેમેસ્ટરના (જુલાઈ-ઓગષ્ટ-૨૦૧૫) અને બીજા સેમેસ્ટર અને ચોથા સેમેસ્ટરના (જાન્યુઆરી-ફેબ્રુઆરી-૨૦૧૬) વિદ્યાર્થીઓને બુકસ સેટનું વિતરણ કરવામાં આવ્યું હતું. જેનો પ્રથમ સેમેસ્ટરમાં કુલ ૫૭ અને ત્રીજા સેમેસ્ટરમાં કુલ ૮૬ વિદ્યાર્થીઓએ (નિયમોને આધીન) લાભ લીધો હતો.

એ.જી. બોબાત બુકબેંક સ્કીમ અંતર્ગત વર્ષ ૨૦૧૬-૨૦૧૭ માં પ્રથમ સેમેસ્ટર ત્રીજા સેમેસ્ટરના, અને પાંચમા સેમેસ્ટરના (જુલાઈ-ઓગષ્ટ-૨૦૧૬) અને ચોથા સેમેસ્ટરના અને છઠ્ઠા સેમેસ્ટરના(ડિસેમ્બર-જાન્યુઆરી-૨૦૧૬-૧૭) વિદ્યાર્થીઓને બુકસ સેટનું વિતરણ કરવામાં આવ્યું હતું. જેનો પ્રથમ સેમેસ્ટરમાં કુલ ૨૮૨, ત્રીજા સેમેસ્ટરમાં કુલ ૮૩, પાંચમા સેમેસ્ટરમાં ૭૩, ચોથા સેમેસ્ટરમાં ૮૦ અને છઠ્ઠા સેમેસ્ટરમાં ૬૮ વિદ્યાર્થીઓએ (નિયમોને આધીન) લાભ લીધો હતો. જે તે ડિપાર્ટમેન્ટમાં લાભ મેળાવેલ વિદ્યાર્થીઓની સંખ્યાની યાદી નીચે મુજબ છે.

ડિપાર્ટમેન્ટ-સેમેસ્ટર	સિવિલ એન્જીનિયરીંગ	કોમ્પ્યુટર એન્જીનિયરીંગ	ઈલેક્ટ્રીકલ એન્જીનિયરીંગ	મિકેનિકલ એન્જીનિયરીંગ	કુલ
પ્રથમ સેમેસ્ટર	૫૮	૫૮	૬૧	૧૧૫	૨૮૨
ત્રીજા સેમેસ્ટર	૧૯	૧૬	૦૮	૪૦	૮૩
પાંચમા સેમેસ્ટર	૧૩	૧૯	૧૭	૨૪	૭૩
ચોથા સેમેસ્ટર	૧૬	૧૦	૧૩	૪૧	૮૦
છઠ્ઠા સેમેસ્ટર	૧૩	૧૩	૨૦	૨૨	૬૮
	૧૧૯	૧૧૬	૧૧૯	૨૪૨	૫૯૬

(આ ઉપરાંત વર્ષ ઓગષ્ટ-૨૦૧૬ થી પ્રથમ સેમેસ્ટરમાં પ્રવેશ લેનાર દરેક વિદ્યાર્થીઓને આ સ્કીમનો લાભ મળેલ છે. અને દ્વિતીય સેમેસ્ટરમાં પણ દરેક વિદ્યાર્થીઓને આ સ્કીમ અંતર્ગત આવરી લઈ પુસ્તકના સેટસ આપવામાં આવશે.)

પુસ્તક ખરીદીની વિગત (જાન્યુઆરી ૨૦૧૫ થી ડિસેમ્બર ૨૦૧૬ સુધીની વિગત)

પ્રથમ સેમેસ્ટરના પુસ્તક ખરીદીનો કુલ ખર્ચ :-	૧૪૭૯૮૦=૦૦
બીજા સેમેસ્ટરના પુસ્તક ખરીદીનો કુલ ખર્ચ :-	૮૬૩૬૩=૦૦
ત્રીજા સેમેસ્ટરના પુસ્તક ખરીદીનો કુલ ખર્ચ :-	૩૮૪૩૪=૦૦
ચોથા સેમેસ્ટરના પુસ્તક ખરીદીનો કુલ ખર્ચ :-	૪૩૧૯૭=૦૦
પાંચમા સેમેસ્ટરના પુસ્તક ખરીદીનો કુલ ખર્ચ :-	૩૭૫૪૮=૦૦
છઠ્ઠા સેમેસ્ટરના પુસ્તક ખરીદીનો કુલ ખર્ચ :-	૨૯૧૬૬=૦૦
કુલ :-	૩૮૩૬૮૮=૦૦

એ.જી.બોબાત બુકબેંક સ્કીમ માટે સૌ દાતાઓ તરફથી મળેલ દાન માટે સંસ્થા આભાર માને છે. ખાસ કરીને સંસ્થાના ટ્રસ્ટીશ્રી એ.જી. બોબાત તરફથી રૂ. ૩,૦૦,૦૦૦/- નું માતબર દાન મળ્યું છે. તે માટે અમો શ્રી એ.જી. બોબાત સાહેબના આભારી છીએ.

લાયબ્રેરી બુકબેંક યોજના રિપોર્ટ-વર્ષ ૨૦૧૫-૨૦૧૬

એ.વાય. દાદાભાઈ ટેકનીકલ ઈન્સ્ટીટ્યુટ સંચાલિત લાયબ્રેરી બુકબેંક યોજના અંતર્ગત વર્ષ - ૨૦૧૫-૨૦૧૬ માં પ્રથમ સેમેસ્ટર અને ત્રીજા સેમેસ્ટરના (જુલાઈ-ઓગષ્ટ-૨૦૧૫) અને બીજા સેમેસ્ટર અને ચોથા સેમેસ્ટરના (જાન્યુઆરી-ફેબ્રુઆરી-૨૦૧૬) વિદ્યાર્થીઓને બુકસ સેટનું વિતરણ કરવામાં આવ્યું હતું. જેનો પ્રથમ સેમેસ્ટરમાં કુલ ૫૭ અને ત્રીજા સેમેસ્ટરમાં કુલ ૮૬ વિદ્યાર્થીઓએ (નિયમોને આધીન) લાભ લીધો હતો. જે તે ડિપાર્ટમેન્ટમાં લાભ મેળવેલ વિદ્યાર્થીઓની સંખ્યાની યાદી નીચે મુજબ છે.

ડિપાર્ટમેન્ટ- સેમેસ્ટર	સિવિલ એન્જીનિયરીંગ	કોમ્પ્યુટર એન્જીનિયરીંગ	ઇલેક્ટ્રીકલ એન્જીનિયરીંગ	મિકેનિકલ એન્જીનિયરીંગ	કુલ
પ્રથમ સેમેસ્ટર	૧૬	૧૦	૧૧	૨૦	૫૭
ત્રીજા સેમેસ્ટર	૧૬	૧૮	૧૧	૪૧	૮૬
પાંચમું સેમેસ્ટર	૨૬	૨૮	૨૭	૪૫	૧૨૭
ચોથું સેમેસ્ટર	૦૮	૧૫	૧૦	૩૧	૬૪
	૬૬	૭૨	૫૯	૧૩૭	૩૩૪

પુસ્તક ખરીદીની વિગત

ત્રીજા સેમેસ્ટરના પુસ્તક ખરીદીનો કુલ ખર્ચ :-	૩૬૨૮૬=૦૦
પ્રથમ સેમેસ્ટરના પુસ્તક ખરીદીનો કુલ ખર્ચ :-	૭૨૦૦=૦૦
ચોથા સેમેસ્ટરના પુસ્તક ખરીદીનો કુલ ખર્ચ :-	૩૦૩૧૭=૦૦
કુલ :-	૭૩૮૧૩=૦૦

પ્રથમ સેમેસ્ટરના પુસ્તક સેટસ લાયબ્રેરીમાં હોય ફક્ત ઘટતા પુસ્તક ખરીદવામાં આવ્યા, જ્યારે ત્રીજા સેમેસ્ટર માટે કુલ ૮૬ સેટસ તેમજ ચોથા સેમેસ્ટરના કુલ ૬૪ સેટસની ખરીદી કરવામાં આવી હતી.

E-Library



VISION

Our vision is to provide great knowledge of basics of different topics as well as recent modern technologies and achieve the good results for better career.

MISSION

- ✎ The mission is to provide materials from different aspects like PPT, Images, Videos and soft copies.
- ✎ Also upgrade the knowledge & practical application of each & every topics by different ways to the students, faculties as well as GTU.
- ✎ It is to make user-friendly so every student can get and improve knowledge.
- ✎ Other ways faculties are also use for to teach the topics to students effectively and guide them.
- ✎ We have provide the computer and net facilities so student use any time acquired the materials himself.

The Department of Mechanical Engineering put keen efforts to establish E-Library for the betterment of students where students can get real idea of the various aspects.

OBJECTIVES

- ✎ To serve as the hub of Learning.
- ✎ To support institutional vision through providing qualitative services for making Knowledge Making Community.
- ✎ To enhance reading habits as well as develop the skill of searching information from Internet among the user community of library.
- ✎ Updating and improving Library information management system.
- ✎ It is used to maximum ideas about questions and papers. So, obtain optimum positive results.
- ✎ To get the project reports which give the guidance about project work.
- ✎ Also being a part of NBA approval for college facilities in teaching criteria.

Committees

Sr. No.	Name of Committee	Name of Co-ordinator	Name of Co-coordinator
1	GTU Co-ordinator	Mr. M.A. Prajapati	
2	T & P Cell	Mr. D.G. Kalathia	
3	Anti-Raging & Discipline	Mr. S.A. Kapadia	Mr. R.S. Patel
4	Admission Committee	Mr. P.J. Surti	Mr. N.C. Tailor
5	ISTE	Mr. N.J. Patel	Miss. S.V. More
6	GTU Innovation Club	Mr. D.G. Kalathia	
7	(Udisha-Club) Cultural Committee	Mr. S.S. Pathan	Miss. A.K. Desai
8	Allumni	Mr. V.M. Patil	Mr. M.A. Shaikh
9	Sports	Mr. P.A. Patel	Mr. R.S. Patel
10	NBA Accreditation	Mr. N.J. Patel	Mr. D.I. Surti
11	WID Cell	Ms. N.D. Lad	Mrs. S.S. Multani
12	Magazine Committee	Mr. P.J. Surti	Mr. M.S. Dinath
13	SC - ST Cell	Mr. M.G. Kataria	
14	Media Cell	Mr. M.S. Dinath	Mr. N.C. Tailor
15	Community Polytechnic	Mr. P.J. Surti	Mr. M.H. Darsot
16	OST & MWT Club	Mr. V.M. Patil	Mr. A.M. Hans
17	AICTE / GTU Approval Process	Mrs. S.S. Multani	Mr. M.I. Hanslod
18	Stationary	Mr. A.S. Ghariya	

**PATRON OF
ALL COMMITTEES**

Mr. H.I. Patel (Principal)

Mr. M.M. Dalchawal (Director)

A.Y. Dadabhai Technical Institute (Polytechnic), Kosamba

HAJI D.M. LOCKHAT AND MRS. AMINA SULEMAN DADABHAI GENERAL HOSPITAL

KAZI STREET, P.O. KATHOR-394150.
(REG NO. B/1307/SURAT)

HUMBLE APPEAL

Kathor Medical Trust has successfully completed its 22 years journey in the health Care providing activities through "SARABIBI KAZI SARVAJANIK DISPENSARY" to the Common, poor, needy, deserving, down-trodden and below poverty line people of all weaker sections of the society of Kathor village and its surrounding areas. The trust has full-filled the major needs for sick and ailing patients necessities through providing medical facilities at a very nominal, affordable charges and in really poor, genuine cases, it will be treated free of cost without any discrimination of their caste, creed, race, religion or language. The trust has passing huge amount of concessions/relief to the patients those who cannot afford to approach hospitals and nursing homes for their legitimate treatment are taking OPB, Indoor, Operational and medicinal treatment at our Hospital and cured within time.

The trust has established 100 beds capacity Hospital since 2011 having Medicine, Surgical, Orthopaedic, Obstetrics and Gynecology, Pediatrics, Eye, E.N.T. Skin, Dentistry, Urology, Neurological and Psychiatric treatment along with the Expert of All Speciality in the Medical field and rendering their services in OPDs, Indoor, Emergencies and Operative Procedures at a very negligible charges and poors have not to go the bigger higher medical centres for their treatment.

Our Hospital has proved as BOON for such people. The trust is passing huge amount in passing concessions to the sick and weak patients. Such amount of relief would Come to Rs 70 to 80 Lacs per year and in respect of medicines, drugs etc, it would Come to R 60 to 70 lacs per annum. This can be matched by getting donations from the philanthropic donors from local and abroad. There is no source of income of the hospital, hence its is solely depending on the donations only. To continue our noble mission of helping the poors in the hospital, we will make an appeal to all those who are able to donate in our endeavors for sick people in the hospital.

We are herewith express our deep gratitudes to those donors who are sill continuing to help us for the support of the treatment to the sick and ailing patients.

Lastly, we appeal all the donors to help us by way of Zakat Fund, Fitra, Fidiya, Lillah and Interest fund for years to come.

We pray Almighty Allah Talla that you will definitely get rewards in both the worlds for your noble deeds for helping the institutions who are really doing charity for sufferings mankind.

With regards,

HAJI D.M. LOCKHAT AND MRS. AMINA SULEMAN DADABHAI GENERAL HOSPITAL

KAZI STREET, P.O. KATHOR-394150.

- (1) 100 BEDS CAPACITY HOSPITAL WHEREIN GENERAL WARD FOR MALE FEMALE AND PAEDIATRIC PATIENTS ARE AVAILABLE HAVING OXYGEN POINTS ON EACH BED.
- (2) WE HAVE GOT FACILITIES OF SPECIAL, AC SPECIAL, DELUXE AND SUPER DELUXE ROOM FACILITIES.
- (3) WE HAVE 4 NOS. OF MODERN OPERATIONS THE ATRES VIZ AS 1) SURGICAL 2) ORTHOPAEDIC WITH IITV C-ARM FACILITIES AND FOR SURGICAL MOST MODERN KARL STORZ LAPROSCOPIC COMPLETE SET 3) GYNAECOLOGY 4) E.N.T.O.T. 5) EYE O.T. WHEREIN LATEST TYPE OF CATARACT OPERATIONS ARE BEING PERFORMED 6) LABOUR ROOM ADJUCENT TO THE GYNAE OT SEPARATE ROOM FOR STERILIZATION SUCTION C.S.S.D. AUTOCLAVING.
- (4) CENTRAL OXYGEN LINE SYSTEM-OXYGEN POINT ON EVERY BED INCLUDING O.T.
- (5) PAEDIATRIC UNIT WITH PHOTOTHERAPY UNITS WARMERS ETC.
- (6) COLOUR DOPPLER WIPRO GE LOGIC P-3 SONOGRAPHY MACHINE
- (7) DIGITAL CARESTREAM MAKE X-RAY MACHINE C.R.D. SYSTEM
- (8) CHEMICS SHOP, AMBULANCE SERVICES, EMERGENCY 24 HOURS WORKING.
- (9) PATHOLOGY LABORATORY, LATEST MODEL DENTISTRY 2 UNITS ONE IS SUPER DENTAL UNITS IS WORKING BY EXPERT DENTAL SURGEONS.
- (10) 15% DISCOUNT FOR CLIENTS IN CHEMIST SHOP 25% DISCOUNT IN THE OPERATIVE CHARGES SPONSORED BY DR. MOOSAJI D.M. LOCKHAT CHARITY TRUST, U.K. UPTO 31.12.2016.
- (11) 20% SPECIAL DISCOUNT ON C.T. SCAN, M.R.I. TO BE PASSED ON DIRECTLY



A REPORT On

22nd April, 2015

5th Annual Function cum Farewell and 3rd Alumni Meet "SANKALAN"



A.Y. Dadabhai Technical Institute, Kosamba (R.S.) organized its 5th annual function cum Farewell and 3rd Alumni Meet "SANKALAN" on Wednesday 22nd April, 2015. Function was attended by more than 500 students along with alumni members. Function was graced with the presence of chief guest **Dr. Shivendra Gupta**, Management Educational Professional and Technical Advisor of GTU.

Annual function was started at 10:00 am in the morning, with inaugural prayer presented by a group of girls and a student as per our Indian tradition. It was followed by flower felicitation and welcome of our chief guest Dr. Shivendra Gupta along with President of the trust "The Surati Sunni Vohra Muslim Education Society", Mr. Salimbhai Patel, Secretary Mr. Bhana Patel and other respected trustees.

Flower Felicitation And Welcome



Secretary of Trust Mr. Bhanabhai Patel felicitating Dr. Shivendra Gupta



Then after one of the WID Cell member Ms. Niharika Lad briefed every one about the two important schemes i.e. **Tejashwini** for girl child, recently launched on **14th March, 2015** in the presence of some well known personality like Mr. Lavjibhai Dalia (Social Worker), Mrs. Trupti Almora (I/C Director, Narmada College of Management) and Mr. Rakesh Khopker (GM, Piramal Glass Ltd.) based on the theme "BETI BACHAO, BETI PADHAO" by our honorable Prime Minister Shree Narendra Modi.



Another scheme **"SETU - ek kadi"**, to help under privilege people in rural area with clothes and other basic requirements, which was appreciated with an award under **iSCALE** during award function held by **GTU Innovation Council** on 14th February, 2015.

"SETU - ek kadi"



Subsequent to the introduction of two schemes, **3rd edition** of Institute's Annual Magazine **"RAHEIN-path to glory"** was launched by all the dignitaries and praised by the Chief Guest.

Launching moment of Rahein



College has achieved many milestones in the academic field as well as in other co-curricular activity through students, which was appreciated with prize distribution.

In the academic section, total of 16 silver medals was distributed to 1st, 2nd and 3rd ranker. Not only academic scholar were appreciated but also sports event **"RANBHUMI-2015"** winners in different games like Cricket, Volleyball, Kho-Kho, Badminton, Table Tennis etc as well as **"PRAKALP-2015"** (Project Competition for 6th Semester Students and Quiz Competition for 2nd & 4th Semester Students) winners were awarded with certificate and reward by the Chief Guest and other dignitaries.

Medal distribution



Ranbhumi Prize distribution



Prakalp (Project Prize distribution)



Other Activity Prize Distribution



Prize distribution followed by Inspiring and motivational speech by chief guest Dr. Shivendra Gupta regarding the practical life and the condition which will going to be faced by final year students in their upcoming life. He communicated so nicely about the positive attitude that all staff members, students and alumni students were filled by positive energy. It was concluded on high note with great cheer from students with motivational "Urdu" Sayari.



After a while, it was concluded with vote of thanks by Mr. Denish Maisuriya especially to our chief guest, who spared their valuable time with us and all the trust members for their inexorable support. Latter, the function was followed by light and joyful events, specially arranged for the alumni members as well as the final year student, who will be the alumni very soon. This session contained variety of entertaining items like one minute games, singing performance, solo music playback, drama etc.



Singing Performance by Students



Comedy Drama played by Students



Girl Students with One Minute Game



Singing Gazal & Dancing with DJ



Students & Staff Members Enjoying Performances



Report on ISTE Approved STTP

NBA Accreditation & CBCS (8th June - 2015 to 12th June - 2015)

A.Y. Dadabhai Technical institute (polytechnic) was established under the aegis of The Suratee Sunni Vohra Muslim Education Society in the year 2007, with the aim of continued improvement in all aspects and to provide environment conducive to the pursuit knowledge and overall personality.

The institute has organized "ISTE Approved" STTP (from 8th June - 2015 to 12th June - 2015) on the topic "NBA accreditation &CBCS" for the faculties from various engineering institutes of all the disciplines

The objective of the STTP is,

- 1) To understand the elements of NBA Accreditation.
- 2) To provide in depth knowledge of NBA & CBCS.

There are total 29 faculties from the institutes & other institutions participated in this STTP. The other details regarding course content are as follows.

- Executive director: Mr. M.M. Dalchawal
- Principal: Prof. Hemant I. Patel
- Co - Ordinator: Mr. P.J. Surti (I/C H.O.D. Mechanical Engg. Dept.)
- Co - Ordinator: Mr. M.S. Dinath (I/C H.O.D. Electrical Engg. Dept.)

Course Content/Coverage

SR. No.	TOPIC	DATE	EXPERT
1	Need & Importance of Accreditation.	08/06/2015	Dr. I.B. Dave Principal Govt. Polytechnic, Vyara.
2	Quality education	09/06/2015	Prof. D.D. Purohit Principal J.S. Desai Polytechnic, Palsana.
3	Importance of syllabus writing & its importance in NBA.	10/06/2015	Dr. G.H. Upadhyay H.O.D. Mechanical L.D. College of Engg & Tech., Ahmedabad.
4	Graduate attributes	11/06/2015	Prof. K.H. Patel Principal Govt. Polytechnic, Navsari.
5	PEOS, POS, COS & vision, mission & their mapping.	12/06/2015	Dr. I.B. Dave Principal Govt. Polytechnic, Vyara.

On the occasion of this STTP, institute has also arrange the validation programme of institute's vision & mission on the very first day of training under this programme, experts from the industry, Academics & other stack holders like (Alumni, present students & parents) were also invited. At the end of the session institute conclude with new vision & mission which was approved by all stack holders.

From Academic

SR. No.	Name of Expert	Institute	Designation
1	Dr. D.V. Bhatt	S.V.N.I.T. Surat	Professor
2	Dr. A.S. Shah	Dean south zone, G.T.U.	Dean south zone, G.T.U.
3	Dr. I.B. Dave	Govt. Polytechnic, Vyara.	Principal
4	Prof. K.H. PAtel	Govt. Polytechnic, Navsari.	Principal
5	Mr. H.R. Mahida	Shroff S.R. Rotary Institute of Chemical Technology, Vataria, Valia.	Assistant professor
6	Mr. H.R. Jariwala	J.S. Desai Poly. Palsana	H.O.D. Mechanical

From Industry

SR. No.	Name of Expert	Name of Industries	Designation
1	Mr. Masud Vorajee	Media & I.T.	C.E.O.
2	Mr. Sanjeev Mishra	Asian Paints	Sr. Officer
3	Mr. Shabbir Vorajee	V3 + WEB Solutions	Director
4	Mr. Shahid Vorajee	I.T.	C.E.O
5	Mr. Vishal Joshi	Sun Pharma, Panoli	Executive
6	Mr. P. Meghanadh	Piramal Glass, Kosamba	AGM
7	Mr. Uday Atodariya	Piramal Glass, Kosamba	AGM Engg.
8	Mr. Rajesh Gosar	Mahavir Metals Ltd.	Owner
9	Mr. Annasahed Raut	Kamrej Sugar Factory	Chief Engineer
10	Mr. Anwar A. Khan	Ashok Leyland Ltd.	A/C Manager
11	Mr. Dharmesh M. Patel	Nandalia Engg. Che. Pvt. Ltd.	Plant Executive

After the completion of training all the participants were awarded with the certificate of participant by executive director Mr. M.M. Dalchawal, Principal Prof. Hemant I. Patel & expert Dr. I.B. Dave.

At the end Mr. J.M. Barad lecturer computer engg. Department gave vote of thanks.



Validation of Vision & Mission of Institute



GTU OSTC

Open Source Technologies Club

GUJARAT TECHNOLOGICAL UNIVERSITY

Open Source Technologies Club (OSTC)

Mobile And Wireless Technologies Club (MWTC)



Celebration of Digital India Week

at Various GTU Affiliated Colleges

Digital India-A programme to transform India into a digitally empowered society and knowledge economy

Gujarat Technological University has requested every GTU affiliated college to celebrate Digital India Week between 1st to 7th July 2015 by organizing Workshop, Expert Lecture, Poster Competition, Quiz Competition, Essay Competition, Webpage/Blog Design completion or any other creative activities on any of the one day between 1st July 2015 to 7th July 2015. Many GTU Affiliated colleges participated actively in the Digital India Week. Following listed Colleges successfully organized Digital India Week at their Campus:

➤ **A.Y. Dadabhai Technical Institute, Kosamba**

This institute organized Seminar competition and Debate competition among Students as a part of Digital India Week Celebration. Complete report of the celebration of DIW at this institute is available at:

<http://clubs.gtu.ac.in/uploads/1436615346AYDTI DIW.pdf>

➤ **Dr. B.B.A. Government Polytechnic, Karad**

This institute had taken feedback from the faculties and the students, who have already undergone open source software training in the past, shown video of Digital India. Some Faculty of the Silvassa College, Naroli, Dadra & Nagar Haveli were also became part of Digital India Week Celebration at this institute. Complete report of the celebration of DIW at this institute is available at:

<http://clubs.gtu.ac.in/uploads/1436620107Dr.BBA DIW.pdf>

➤ **GIDC Degree Engineering College, Abrama, Surat**

This institute has allotted Digital locker ID to all the faculty members and final year students. Group of faculty members and students visit nearby high-secondar school to give awareness about Digitization in Technical Education and various E-servies provided by the government also organized an awareness program and Poster Presentation competition. Complete report of the celebration of DIW at this institute is available at:

<http://clubs.gtu.ac.in/uploads/1436620640GIDC, Navsari DIW.pdf>

➤ **Gandhinagar institute of Technology, Gandhinagar**

This institute's Open Source Technologies Clubs celebrated Digital India Week in collaboration with IIT,Bombay Spoken Tutorial Project. The program was designed to combine the series of videos which

were prepared to give exposure to the main project objectives and to share their achievements since inception. Complete report of the celebration of DIW at this institute is available at:

<http://clubs.gtu.ac.in/uploads/1436620252GIT DIW.pdf>

➤ **GLS (Shailesh R Parikh) Institute of Computer Technology (MCA), Ahmedabad**

This institute organized Seminar and Presentations on the different topic ranging from cyber security and its different aspects, e-waste, e-hospital, digital literacy, digital locker, e-wallet, digital signature, and ethical hacking. Complete report of the celebration of DIW at this institute is available at:

<http://clubs.gtu.ac.in/uploads/1436620801GLS DIW.pdf>

➤ **Institute of Technology & Management Universe, Vadodara**

This institute's Open Source Technologies Clubs celebrated Digital India Week in collaboration with IIT, Bombay Spoken Tutorial Project. Also organized essay writing competition on the topic "Digital Empowerment of Citizens". Complete report of the celebration of DIW at this institute is available at:

<http://clubs.gtu.ac.in/uploads/1436859658ITM,Vadodara.pdf>

➤ **Saffrony Institute of Technology, Mehsana**

This institute's Open Source Technologies Clubs celebrated Digital India Week in collaboration with IIT, Bombay Spoken Tutorial Project followed by Quiz Competition. Complete report of the celebration of DIW at this institute is available at:

<http://clubs.gtu.ac.in/uploads/1436621253SPB DIW.pdf>

➤ **Shree Swami Atrlanfnd Saraswati Institute of Technology, Surat**

This institute's Open Source Technologies Clubs celebrated Digital India Week in collaboration with IIT, Bombay Spoken Tutorial Project also presented video lectures on various services like Digital Locker, E-hospital, National Scholarship Portal, Digitize India Platform, My Gov Mobile Application, Flexible Electronics and Internet of Things. Complete report of the celebration of DIW at this institute is available at:

<http://clubs.gtu.ac.in/uploads/1436620935SSASIT, Surat DIW.pdf>

➤ **Venus International College of Technology, Gandhinagar**

This institute's Open Source Technologies Clubs celebrated Digital India Week in collaboration with IIT, Bombay Spoken Tutorial Project. For Digital India Week Celebration at VICT, Prominent personalities from surrounded villages were also invited to make event grand success. Also organized Group Discussion on theme Future of Digital India, Poster Presentation, Drawing competition and Documentary making competition. Complete report of the celebration of DIW at this institute is available at:

<http://clubs.gtu.ac.in/uploads/1436621380Venus DIW.pdf>

One day Training Programme "Rifle Shooting Training" on 3rd AUG-2015

Udaan - WID (Woman in development cell) of A.Y.D.T. is always seeking to promote development like internal growth, strength of social and educational development etc, for girl students ladies staff members.

In the collaboration of Kosamba Police, Udaan - WID has arranged one day training programme. The Training program held at "GHALUDI, Gramya Vadu Mathak" of Gramya Police Station. In this training programme girls students participated in Rifle Shooting, Horse Ridding, and Lecture related health and Cyber safety, Yoga etc. Total 23 Girl students and 02 ladies staff have participated in this training programme. There are different institutes, schools, college students and staffs participated in this training.





A REPORT ON Celebration of "Independence day"



15th August, 2015

As in all over India, this day is celebrated with faithfully and spiritually as the same way in A.Y. Dadabhai Technical Institute, Kosamba (R.S.), 69th Independence day is celebrated with memories of our freedom fighter and other heroes who take part in freedom movement directly and indirectly.



In very early morning at about 7:45 am, our principal Mr. H. I. Patel has hosted flag in presence of honorable trustee Mr. Yusufbhai Patel which was followed by national anthem and national song as our tradition.

Later on one of Computer Engineering Department student Ms. Verma Sapna has told about enemies of freedom i.e. illiteracy, poverty, girl child abortion, rape and many other problems. Rahi Rahat has told about the technology by which india can grow fast and remove some problem which was exerted since our independence. Then after Vashi Jayveer told about to help each other and by this, we can get progress.



After the completion of speeches of all students, mechanical staff member Mr. Katariya Mahesh has told about special thing that how india get independence and condition of India, then & now.



At last, our chief guest Mr. H. I. Patel has thrown some idea about the real freedom that we are independent from Britisher but still there are many thing from which we have to get independent & conclude the function by motivating to all staff and student to achieve goal in our lives and to help society.

The function was dispersed with memories of our function and sweet distribution.





Energy Conservation Awareness



**A.Y. Dadabhai Technical Institute (Polytechnic),
Kosamba**

**Gujarat Energy Development Agency
(A Government of Gujarat Organization)**

Title: One day workshop on “Energy Conservation Awareness” Date: 5th October, 2015

Expert Speakers:

1. Mr. R.M.Panchal : Proprietor, Global Energy Consultancy Services, Vadodara, Retired Chief Engineer, MGVCL, Vadodara, BEE Certified Energy Auditor
2. Mr. D.N.Shah : Executive Engineer, Kosamba (South Gujarat), BEE Certified Energy Auditor
3. Mr. Niraj Panchal : M.Tech – Electrical Power System, Junior Engineer, Global Energy Consultancy Services, Vadodara

Brief Information:

A.Y. Dadabhai Technical Institute (Polytechnic), Kosamba organized a one day GEDA sponsored workshop on “Energy Conservation Awareness” for final year students of Electrical Engineering, Electronics & Communication Engineering and Mechanical Engineering on 5th October, 2015.

Mr. R.M. Panchal, Mr. D.N. Shah and Mr. N.R. Panchal delivered expert lecture on the following topics and guided the participants.

- Electrical Energy Scenario in Gujarat and India.
- Why Save Energy?
- Energy Conservation in Domestic Appliances.
- Energy Audit
- Role of GEDA in Energy Conservation.
- Energy Conservation through Renewable Energy Sources.
- Energy Sources Overview.
- Energy Conservation Means.
- Electricity Tariff.
- Energy Conservation in Industries, Motors and Pumps.

A.Y. Dadabhai Technical Institute is thankful to the Gujarat Energy Development Agency (GEDA), Gandhinagar for their sponsorship to arrange such type useful workshop and also thankful to the experts of the Global Energy Consultancy Services, Vadodara for providing a valuable knowledge to the participants.



DEKANGI CONSTRUCTION (CONTRACTOR)





Gajera Vipul M. (Monpar)
98249 53825



Gajera Kamlesh H. (Monpar)
98249 13323



Chovatiya Mukesh D. (Jira)
99133 54855





A REPORT ON Celebration of "67th Republic day"

26th January, 2016

Celebration of the day from which our constitution was come in action and our nation is ruled on the theme that "by the people, to the people, for the people". So in our institute A. Y. Dadabhai Technical Institute, Kosamba (R.S.), have celebrated 67th republic day with lots of proud and respect for our freedom fighter.

Flag Hosting



Early in the morning at about 8:00 am, our principal Mr. H. I. Patel has hosted the flag which was followed by national anthem and national song as our tradition.

Staff Member After Flag Hosting



Some students have shared their views about the freedom, one of them is Abdul Rehman from Electrical Engineering Department has told about the current problems of the nation. The other girl student Shrivastav Rasmi has spoke about the true independence i.e. what is true independence and whether we had true independent and true republic nation. Last semester student Verma Sapna also spoke about solution which should we have to implemented to improve the status of tour nation in the global level.

Students delivering speeches



Mr. Avesh Chamadiya, faculty member from Electronics and Communication Department has told about the brief history of Indian constitution and how it come in the action and which difficulties raised at that time.

Finally our chief guest Mr. H. I. Patel sir has told about the current issues like illiteracy, corruption, poverty and youth. They also discussed some points regarding the politics that his nation is not only for politicians and in addition to that he suggested some points that how we can up lift our nation by working together.



The function was demerged with memories of our heroes and with some concern about the Nation current condition.



Report of Seminar on opportunities in IT

29 Jan 2016

A.Y. Dadabhai Technical Institute, Kosamba aims to cater the society with skilled manpower and Efficient team members. Institute believes in total improvement of each students. Since 2009 Computer Department of A.Y. Dadabhai Technical Institute has served many scholar students to the society. Today's Era is Computer and Internet Era. Hence there is an emerging need of an IT Professionals in world.

Hence we, at Computer Department planned the Expert Seminar on Opportunities in IT. We invited Mr. Dharmesh Dalal from Sun Infosystem, Surat to deliver the Seminar and Make the Students aware about the Different Courses running in Sun Infosystem as well what are the most popular technologies in the world currently. He introduces the basics of all cutting edge technology in the field of Networking.

Moreover, he discussed about the employment preferences among the top companies. Now a day there are many engineering graduates passed out every year. So, particular candidate should have an added advantage when went for an interview. These type Networking courses such as CCNA, Optical Fibre etc.....will give employability to Diploma Engineers.

This Seminar has opened up many horizons among Student's mind, specifically to choose their Career. Many Students has decided to their Future in the Field of Networking. Some of them have already joined the Networking Courses and shows their interest in newer technology which is introduced recently.

Overall the purpose for organizing this seminar is fulfilled completely. Student had cherished this experience and also showed their interest to attend further workshops in their curriculum.

Glimpse of the Seminar.





Report On One Day Workshop On Microsoft Azure

17 Feb 2016



A.Y. Dadabhai Technical Institute, Kosamba's Computer Department regularly organizes various workshops and Expert Lectures for the Students. Main aim is to make the Students aware of latest trends and technology popular in Software Industry. As we all know that More than 70 % of the People are using Microsoft as the Operating System. But Microsoft software Firm not only has the Operating System but also the Microsoft Office and many more Products. Microsoft Azure is the Cloud Platform, which is new in the Market now a day. Many of the People in the world are not aware of the Microsoft Azure. Microsoft Azure Provides 6-month free account for the Students. The

Features of Microsoft Azure is given below.

Any developer or IT professional can be productive with Azure. The integrated tools, pre-built templates and managed services make it easier to build and manage enterprise, mobile, Web and Internet of Things (IoT) apps faster, using skills you already have and technologies you already know. Azure supports the broadest selection of operating systems, programming languages, frameworks, tools, databases and devices. Some cloud providers make you choose between your datacenter and the cloud. Not Azure, which easily integrates with your existing IT environment through the largest network of secure private connections, hybrid database and storage solutions, and data residency and encryption features — so your assets stay right where you need them.

We have invited **Mr. Shyamal Pandya** to arrange the Azure Cloud Campus Program – Powered by Microsoft. Azure Cloud Campus is an exclusive and a unique program from Microsoft for the Colleges and Institutes across the Globe. In India a MVP (Microsoft Most Valuable Professional on Azure) will provide a free of cost hands on training, Support and guidance to the College Faculty and Students on how to use Microsoft Azure Platform. He had focused on many aspects provided by Microsoft Azure. Some of the benefits are given below.

On successful enrollment you become eligible to brand your college/university as **Azure Cloud Campus - Powered by Microsoft Azure**.

- Free of cost training and guidance from Industry Experts to your Students and faculty members.

Glimpse of the Seminar.



VALIDATION PROGRAMME FOR COS & POS ? PEOS OF MECHANICAL ENGG. DEPT.

Department of Mechanical Engineering at A.Y. Dadabhai Technical Institute has organized a meeting with Industrial persons, professionals, Academicians, Parents, Alumnis & Stoff members of institute to finalise the course outcomes & programe outcomes & their mapping as a part of procedure of NBA Accreditation.

The meeting was held at seminar hall (B-Wing) dated on 27th February, 2016 Saturday at 10:00 a.m.

The following members remain present.

SR. No.	Name of Person	Stack Holder Type	Organization with Designation
1	Dr. Atul S. Shah	Acadamic	Asso. Dean GTU
2	Prof. K.H. Patel	Acadamic	Principal Govt. Polytechnic Navsari
3	Prof. S.V. Damania	Acadamic	Asso. Professor Govt. Engg. College, Valsad
4	Smt. K.S. Damania	Acadamic	LME, G.P. Vaghai
5	S. Murlikrishnan	Industry	GM-OP, Brakes India Ltd. Jhagadia. G.I.D.C.
6	C. Jagades waran	Industry	Asst. Manager Brakes India Ltd. Jhagadia. G.I.D.C.
7	B.D. Kher	Industry (Parents)	
8	Devarshi Chaudhari	Alumni (Student)	
9	Gaurav Jagtap	Alumni (Student)	
10	Keyur B. Kher	Alumni (Student)	

All the faculty members of Mechanical Engg. Dept. and two resource persons from other Dept. of Institute were also remain present.

After the Brain storning Discussion of two hours between stack holders. The mapping of co's & po's for Mechanical Engg. Dept. was finalised.





"UDAAN" - WID CELL



"Flower Decoration Competition" Programme On 29th February, 2016

"Udaan - Women In Development Cell" of A.Y. Dadabhai Technical Institute, Kosamba has organized a programme of **"Flower Decoration Competition"** in collaboration with inner Wheel Club of Kharach-Kosamba on Monday, 29th February, 2016.

Out of All branches total 14 groups of Girls (each group of 3 students) participated in this competition and made various decoration by natural flowers. The competition if of 45 minute duration. And 3 groups selected as winner.

After completion of competition prize distribution ceremony started followed by welcome of guest of Inner Wheel Club of Kharach, welcome speech by Ms. Farnaz Shaikh, motivated speech by Mr. M.M. Dalchawal, Director and buke and memento presentation. As Judge Ms. Shanthi Murthy, Member Inner Wheel Club & Ms. Divya Dave, Lecturer in Civil Engg. Department gave their valuable time. Prize Distribution to the winner group done by Inner Wheel Club members and also they gave consolation prizes to all the participants. The programmes conclude with vote of thanks and national anthem.

Name of Winner Group

Sr.	Name	Branch	Semester
1 st Winner	Modi Ayushi A. • Parmar Komal K. • Vasava Harshna R.	Civil	6 th
2 nd Winner	Chauhan Dipali K. • Raval Urvi A. • Patel Ishita J.	Computer	4 th
3 rd Winner	Patel Nidhi • Patel Vrunda • Richa	Computer	6 th



Awareness Programme for Online admission in Diploma Engineering

There is very less awareness regarding the higher study and admission process particularly for diploma engineering, in rural area, So our institute A.Y. Dadabhai Technical Institute, had organized various awareness programme in several schools around kosamba town named

- NAVSARJAN SCHOOL - KOSAMBA • RUNGTA SCHOOL,
- IQRA SCHOOL, ANJUMAN SCHOOL - BHARUCH • MA AMBE SCHOOL - ZANOR
- S.P. MADRESA HIGH SCHOOL - MANGROL • L.C. SETH HIGH SCHOOL, H.J. SETH HIGH SCHOOL,
- MAKKUVALA HIGH SCHOOL, VADIVALA HIGH SCHOOL - HANSOT

Our plan was to developed awareness in students as well as their parents by these kind of awareness programme series during **Jan-Feb, 2016**.

We have conducting many events to aware students that how to get admission in diploma engineering via newly introduced online admission process and as a result of our effort approximately **3000 students** have take part in these events and took opportunity to developed themselves. Our main focus to contribute girl students in higher study.

Conveyer of this program: Mr. A.S. GHARIYA

Other Team Leaders : Mr. P.P. SOLANKI, Mr. M.H. DARSOT, Mr. R.S. PATEL





'Entrepreneurship Awareness Workshop'



Organized by
The Centre for Entrepreneurship Development
(A Govt. of Gujarat Organization)

A.Y. Dadabhai Technical Institute (Polytechnic), Kosamba

Sponsored by
K.P. Group of Industries, Surat



A 3-day “Entrepreneurship Awareness Workshop” was organized by The Centre for Entrepreneurship Development (A Govt. of Gujarat Organization) at the A.Y. Dadabhai Technical Institute, Kosamba from 8th March to 10th March, 2016. The workshop was sponsored by K.P. Group of Industries, Surat.



Dignitaries on the dais during inauguration function of workshop

This workshop was organized for 75 final year students from all disciplines, with a view to expose students as well as faculty of our institute to entrepreneurship as an alternative career. It was aimed at creating awareness & guidance among students about various aspects of entrepreneurship while highlighting the merits of pursuing such a career option. All 75 students were exposed to different aspects of entrepreneurship including opportunity guidance, services offered by agencies of support system, etc.

The inauguration function of the workshop was held on 8th March, 2016 at 10:00 AM at seminar hall, in the presence of, Chief guest Mr. Farukbhai Patel (CMD, K P Group of Companies), Mr. Shaheedul Hasan (COO, K.P. Energy Ltd) along with team of K P Group of Companies, Mr. Mayank Mehta (Deputy project leader, CED), Mr. M.M. Dalchawal (Director, A.Y. Dadabhai Tech. Inst.), print & electronic media personals and other prominent personalities.



**Introduction & welcome of guest by
Director, Mr. M M Dalchawal**



**Facilitation of Chief guest, Mr. Farukbhai Patel
by Principal, Mr. H I Patel**

The function started with introduction & welcome of all guests by our director, Mr. M.M. Dalchawal. After felicitation, Mr. Mayank Mehta briefed all about the CED & its activities along with workshop & its importance. Mr. Shaheedul Hasan shared few inspirational stories from his experience to motivate students for building better future. Mr. Farukbhai Patel in his brief speech shared his journey towards a successful entrepreneur & the success story of K.P. Group of Companies. Inaugural function concluded with media briefing by chief guest Mr. Farukbhai Patel & his team, as also by CED team.



**Mr. Mayank Mehta from CED
addressing the participants**



**Mr. Shaheedul Hasan from KP Group with
his inspirational speech**



**Mr. Farukbhai with his success story
as Entrepreneur**



**Media briefing by KP Group
of Industries**

With the end of inaugural function, first session of workshop commenced by Mr. Mayank Mehta from CED, Gandhinagar. All the participants were provided lunch on all 3 days of the workshop at the end of morning sessions.



Media briefing by CED Team



**A session on market needs & product
marketing by Mr. Parag Oza**

Prominent speakers like Mr. Parag Oza (ARDOUR smarketing), Mr. Nitin Tailor (Founder & CEO, SERVE HAPPINESS FOUNDATION), Mr. Sandip Patel (Assistant Project Leader, CED) & Mr. Bhagwat Yagnik (Management Adviser, YAGNIK MANAGEMENT CONSULTANTS) have shared their knowledge & experience on various aspects of Entrepreneurship Development during different sessions of the workshop for 3 days.



Mr. Nitin Tailor sharing his experience on Social Entrepreneurship





Bank Official on schemes & financial support from banks



Factory visit at Mahavir Steel Pvt. Ltd, Kosamba

An important session by Bank Officers (BANK OF BARODA) was conducted on 2nd day regarding schemes of assistance & financial support from banks.

Student participants along with faculty members were taken for factory visit at Mahavir Steel Pvt Ltd, Kosamba, where the experience of the entrepreneur was shared.



Mr. Sandip Patel on How to start a SSI unit along with its technical & commercial aspects



participants filling feedback form



Mr. Bhagwat Yagnik with a session on creativity & business, the behavioral scientist's approach



At the end of concluding session on the 3rd day afternoon, feedback by participants & discussion on workshop was held, which was followed by validation functions, were Mr. Mayank Mehta thanked all students & faculty members for the success of the workshop & echoed for more collaboration with the institute in future. Our Director in his concluding remarks also thanked CED & all expert speakers for their effort put in during the workshop & assured to arrange more such programs beneficial to students in building their future.



Dignitaries addressing the participants during validation function at the end of the workshop

Students were very happy by getting opportunity to participate in this workshop on 'Entrepreneurship Awareness' & found very enthusiastic & upbeat for startup after competition of diploma studies. This workshop was aimed at promoting Start up India initiative started by Govt. of India.

**Prepared by :
D G Kalathia (T&P Officer)**



Report on Celebration of International Yoga Day 2016



21st June, 2016

Under the visionary Leadership of Hon. Prime Minister Shri Narendrabhai Modi, 21st June has been declared as INTERNATIONAL YOGA DAY. Yoga has not been limited and restricted to any community, religion, area, nation, society or any individual economy, but today the entire world has accepted and started practicing yoga. The whole credit for this completely vested to our culture roots. It has been decided and declared to celebrate at National State, District, Taluka, Villages as well as individual, Institutions, Universities and NGOs too.

Brief Details about Yoga Training by Institute from 15th to 20th June-2016 in 100 words:

As per the guideline of ministry of ayush, govt. Of india, basic training program of yoga has held at **A. Y. Dadabhai Technical institute, Kosamba**. This training program was guided by **Mr. Gamanbahi T. Prajapati, a Yoga Guru**, from Patanjali Yogpith, Kosamba Branch. Approx 25 -28 students were took part in this training program along with 08 staff members. During the training session **YOGA GURU** have interacted with students and informed them about benefits of yoga along with basic yogasana and pranayam. Our staff members have also helped students to do yoga to get correct yoga position. The training program were successfully completed.

Yoga Training Sessions Photo Gallery



Brief Details about International Yoga Day Celebration at Your Institute on 21st June-2016 in 100 words:

After successfully completed the yoga training program between 15th June, 2016 to 20th June, 2016, 21st June, 2016 "**INTERNATIONAL YOGA DAY**" was celebrated in **A. Y. Dadabhai Technical institute** along with whole world. This day was celebrated very successful due to very effective Yoga training. Different yogasana was started early 09:00 am in the mornig and performed by the students very effectively along with the staff members. All selected yogasana was followed by **Kapalbhati, Anulom-vilom** and **pranayam** as per the guideline of Ministry of Ayush, Govt. Of India. This yogasana was strickly start up with **prarthana** and ended with **santi path**.

International Yoga Day Celebration Photo Gallery



Details of no. of participants on Yoga Training Sessions & International Yoga Day Celebration:

Sr. No.	Date	No. Of Student	No. of Faculty/Staff
1	15-06-2016	12	03
2	16-06-2016	27	07
3	17-06-2016	28	07
4	18-06-2016	28	07
5	20-06-2016	28	08
6	21-06-2016	27	08

Details of Yoga Trainer :

Name : Gamanbhai T. Prajapati
 Mobile No : +91-9909951841
 Mail ID : gamanbhaiprajapati@yahoo.com
 Institution : Patanjali Yogpith, Kosamba branch, C/O Haridwar.

Details of Yoga Coordinator of Institute:

Name : Sabirkhan S. Pathan
 Mobile No : +91-9375988373
 Mail ID : sabirpathan123@gmail.com
 Institution : A. Y. Dadabhai Technical Institute, Kosamba, Ta-Mangrol, Di-Surat.

Details of Yoga Practice Winner:

Winner Rank	Enrollment No.:	Student Name
1 st	146010306053	SHINGH SHIVAM U.
2 nd	156010309027	JAYDEEP B. PARMAR
3 rd	146010307032	ISHITA J. PATEL
4 th	156010309022	PANCHAL RUTIK A.
5 th	156010319112	SOLANKI VISHAL

Details of Yoga Essay Completion winners at institute:

Winner Rank	Enrollment No.:	Student Name
1 st	156010306016	MAKWANA CHINTAN L.
2 nd	156010307041	RAVAL URVI A.
3 rd	146010306053	SINGH SHIVAM U.
4 th	146010307032	PATEL ISHITA J.
5 th	146010309022	PANCHAL RUTIK A.

15th August, 2016

Independent India have celebrated 70th independence day on 15th August, 2016. In ordered to give honor to our freedom hero and feel the glory of the day, A. Y. Dadabhai Technical Institute, Kosamba have enthusiastically celebrated this day.



On Monday 15th August, 2016, we have celebrated our 70th independence day. All students, staff members and honorable guest have come early in the morning.

Our honorable principal Mr. H. I. Patel has hosted flag at about 8:10 am followed by national anthem and national song.



Student of computer department Ms. Dipali Chauhan has told about the day and wished us for celebrating such national festival in her speech. She told about the condition before the independence and discusses the present scenario. Another student from Civil Engg. Department Mr. Chintan Makwana has also told the related thing about corruption and poverty, he has discussed and compares the progress of past and present with difficulties to be faced. Then after very impressive speech has been spoken by Mr. Chaudhary Devarshi, ex-student of mechanical department, on remembrance of our freedom fighter to get the freedom and our failure to maintain it. All students have memorized our freedom fighter for their sacrificed.



At last, our guest Mr. H. I. Patel has discussed many point included the summary of the student, corruption, progress and education.

He has told about the progress of our country simultaneously he has told about the self development.

The function was come to an end with happy memory of our independence, freedom heroes and the personality which were remaining silent in the freedom movement, followed by sweet distribution.



"Swachchha Bharat Mission (Ruler) under DRDA"

12nd September, 2016



According to the target of Swachchha Bharat Mission, Our institute, A. Y. Dadabhai Technical Institute, Kosamba (R. S.) had contributed very passionately. Our 28 students and 2 staff members (list enclosed) were continuously do survey and "SHRAMDAAN" during the period of 31st August to 6th September, 2016 except 3 to 5 September, i.e. 5 working days.

Total 28 students were devided into five groups which can covered the survey of 15 villages (list enclosed) during the five days.

First of all, the survey book was provided by the DRDA member to the students, in which they can record the survey of villages and other information. And as per the schedule first day students were visited different villages as per the plan (enclosed) along with very nice lunch arrangement.

The same schedule was repeated for further two days. On fourth and fifth day our students and staff were joined for "SHRAMDAAN" in MAHUVJEJ village to construct toilets and by that they gave their contribution to "Swachchha Bharat Mission" through DRDA via this program.

Over all the program was very successful and data were collected might be useful to the mission and ultimately to the Nation.

Plan for five days

● 1st day (31-08-2016)

List of villages (Survey)

1. Kosamba
2. Mahuvej
3. Hathuran
4. Dhamdod
5. Nandav

● 2nd day (1-09-2016)

List of villages (Survey)

1. Velachha
2. Kathwada
3. Hathoda
4. Moti borasara
5. Nani naroli

● 3rd day (2-09-2016)

List of villages (Survey)

1. Palod
2. Pipodara
3. Valesa
4. Kunvarda
5. Nani borasara

● 4th day (6-09-2016)

List of villages (SHRAMDAAN)

1. Mahuvej

● 5th day (7-09-2016)

List of villages (SHRAMDAAN)

Mahuvej



List of Students/Staff

- 1.Kapadiya Matin (Staff Member)
- 2.Katariya Mahesh (Staff Member)
- 3.Nasir Mustak F
- 4.Mansuri Sakil M
- 5.Parmar Karan
- 6.Ashutosh Sing
- 7.Mayank Patel
- 8.Shaikh Mohammad Fahim
- 9.Shahare Vaibhav
- 10.Shaikh Juned

- 11.Vasava Mahvir
- 12.Patel Mihir
- 13.Patel Mayur
- 14.Prajapati Kunal
- 15.Shaikh Sohil
- 16.Pathan Samir
- 17.Rana Dharmajeet
- 18.Rohit Bipin
- 19.Shaikh Shahnawaz
- 20.Tarki Usama

- 21.Pathan Imtiyaz
- 22.Shaikh Ayaz
- 23.Patel Faizan
- 24.Patel Sufiyan
- 25.Solanki Keyur
- 26.Varachiya Henil
- 27.Rana Harsh
- 28.Patel Jenish
- 29.Parmar Yuvraj
30. Patel Kishan

SHRAMDAAN



Report On

RANBHUMI - 2016

Cricket Ground Sponsored by

Haji Mohammed Kasam Sabat Sb. (U.K.)



A.Y. Dadabhai Technical Institute, Kosamba has Organized 4th Annual Sports Event *RANBHUMI-2016* during 21st March-2016 to 23rd March-2016.

RANBHUMI-2016 was held at Campus of A.Y.Dadabhai Technical Institute, Kosamba under the Leadership of **Mr. R. S. Patel** and also the co-operation of Sports committee members under the Guidance of **Mr. M. M. Dalchawal**, Director of our Institute.

In *RANBHUMI-2016* around 850 students were participated in different games/events like **Volleyball, Kho-Kho, Badminton, Chess, Carom, Table – Tennis and Tug of war**. All the games are organized for both Boys and Girls. The whole events were successfully completed by co-ordination of sport committee members, Women in Development committee Members, canteen committee members and other staff members of institute.

We all congratulated to all the participants who were participated in the different events and hope that you will co-operate in the same way in future.

Winers

LIST OF PARTICIPANTS AND WINNER FOR DIFFERENT EVENTS OF RANBHUMI-2016

GAME	TOTAL PARTICIPANTS	WINNER
VOLEYBALL BOYS	28 Teams	Civil Engineering Department (6 th sem)
VOLEYBALL GIRLS	2 Teams	Computer Engineering Department
KHO-KHO BOYS	10 Teams	Mechanical Engineering Department (6 TH Sem)
KHO-KHO GIRLS	06 Teams	Computer Engineering Department
BADMINTON BOYS	82	KAZI MO. FARHAN (Computer Eng g. Department - 2 ND Sem)
BADMINTON GIRLS	26	Chauhan Priya (Civil Eng g. Department - 2 nd Sem)
CAR OM BOYS	68 Pairs	GONDALIYA SAHIL & PRAJAPATI ASHIS (Mechanical Engg. Department - 6 th sem)
CAR OM GIRLS	10 Pairs	VASAVA HARSNA & CHAUHAN PRIYA (Civil Eng g. Department - 6 th & 2 nd sem)
CHESS BOYS	80	KALATHIYA PARTH (Civil Engineering Department - 6 th Sem)
CHESS GIRLS	02	CHAUHAN DIPALI (Computer Eng g. Department - 6 TH Sem)
TABLE - TENNIS BOYS	22	KAZI MO. FARHAN (Computer Eng g. Department - 2 ND Sem)
TUG OF WAR BOYS	20 Teams	Electrical Engineering Department (4 th sem)
TUG OF WAR GIRLS	5 Teams	Computer Engineering Department (6 th Sem)

Prize distribution program and closing ceremony of *RANBHUMI – 2016* was arranged on 23rd March - 2016 at 12:00 pm.



Civil Engg. Dept. (6th sem)



Computer Engg. Dept.



KAZI MO. FARHAN
(Computer Engg. Dept. – 2ND Sem)



Mechanical Engg. Dept. (6TH Sem)



Computer Engg. Dept.



KAZI MO. FARHAN
(Computer Engg. Dept. – 2ND Sem)



CHAUHAN PRIYA
(Civil Engg. Dept. - 2nd Sem)



GONDALIYA SAHIL & PRAJAPATI ASHIS
(Mechanical Engg. Dept.-6thsem)



VASAVA HARSNA & CHAUHAN PRIYA
(Civil Engg. Dept. - 6th & 2nd sem)



KALATHIYA PARTH
(Civil Engg. Dept. - 6th Sem)



CHAUHAN DIPALI
(Computer Engg. Dept. - 6THSem)





PRAKALP-2016

(Passion Creates Opportunities)

QUIZ COMPETITION



Prakalp-2016 (passion creates opportunities), a QUIZ competition held at A. Y. Dadabhai Technical Institute, Kosamba on 9th April – 2016.

The main objectives of the QUIZ competition were,

- Encourage independent study and academic excellence.
- Build self-esteem and college pride.
- To compatible students with growing world.
- To develop knowledge excellence in the student.
- Test students' accumulation and retention of knowledge in a real life situation.
- Empower students with a new understanding of what has been, what is now, and what can be.
- Provide opportunities for faculty, students, parents and the community to work together.
- To motivate students for team - work.

In the quiz competition total 13 team of all departments participated, among them 1 team from civil department, 6 teams from computer department, 1 team from electrical department and 5 teams from mechanical department have taken part into the quiz competition.

QUIZ MOMENT



There were two stage, first stage at department level which was held during a week before. Department have finalized the best team for next Final Round.

The final rounds were started at 9:00 am at seminar hall of B-Wing. It was judged and Scored by Mr. M. M. Kagdi and Mr. R. R. Chaudhari jointly while time management was done by Mrs. P. A. Mali. All final round was hosted by Mr. V. M. Patil very rationally.

This final of Quiz competition was contain three sub-rounds, out of which, 1st round was "PLAY n PASS" round which contain basic questions of GK, Sports and Entertainment, 2nd round was "LOOK n LISTEN" contain audio clip and picture to recognize and 3rd round was "RAPID RESPONSE".

There were 10 points for right answer and negative 5 points for wrong answer.

All quiz session was examined by Cultural staff member Mr. U. S. Desai, Mrs. A. K. Desai, Mr. Shahid Patel and Mr. A. S. Ghariya. At last the winner of Prakalp-2016 (passion creates opportunities), a QUIZ competition was Civil Engg. Team was awarded by Rs. 500 & two runners up teams were awarded Rs. 300 & Rs. 200 respectively by honorable trustees.

PRIZE DISTRIBUTION



1st Prize winner



2nd Prize winner



3rd Prize winner

The whole Prakalp-2016 (passion creates opportunities), a QUIZ competition was devotedly contested & of great success.

MINUTES OF BHARUCH-ANKLESHWAR INNOVATION SANKUL MEETING

A meeting of Executive committee members of Bharuch- Ankleshwar GTU- Innovation sankul was held on 14th July 2016 Thursday at 11.00 AM at the seminar hall of A.Y. Dadabhai Technical Institute, Kosamba.

The following members were present in the meeting.

SR. NO.	NAME	INSTITUTE	DESIGNATION
1	Shri J M Patel	SVMIT, Bharuch	Director
2	Mr. M M Dalchawal	AYDTI, Kosamba	Director
3	Dr. R G Kapadia	SVMIT, Bharuch	Principal
4	Dr. R K Shukla	GEC, Bharuch	Principal
5	Dr. Shrikant J Wagh	SRICT, Vatariya	Principal
6	Mr. H I Patel	AYDTI, Kosamba	Principal
7	Mr. S V Ballar	SDCDE, Kim	Principal
8	Mr. Pratap K Chaini	VIT, Valia	I/C Director
9	Ms. Nazneen Shaikh	Kadakia(Management), Ankleshwar	I/C Director
10	Dr. Deepak Deore	SVMIT, Bharuch	TPO
11	Dr. Snehal Lokhandwala	SRICT, Vatariya	TPO
12	Mr. D G Kalathia	AYDTI, Kosamba	TPO
13	Mr. Subhash Yadav	Narmada(Management), Bharuch	TPO
14	Mr. Jatin C. Modh	Narmada(Comp. App.), Bharuch	Asst. Prof.
15	Mr. Jaydip J. Yadav	Valia Polytechnic, Valia	TPO
16	Mr. V V Golakiya	SDCDE, Kim	Lecturer
17	Mr. Amit P. Yadav	Valia Polytechnic, Valia	Lecturer/T&P Coordinator

First of all **Mr. M.M. Dalchawal** (Director –Diploma Engineering) of A.Y. Dadabhai Technical Institute welcomes all the respected Directors, principals, TPO, and faculties of sankul and request Mr. Jivrajbhai patel Co-Chair(Academics) Bharuch-Ankleshwar Innovation sankul to lead the meeting and to start the agenda of meetings.

Agenda No-1 Minutes of last meeting:-

Mr. Jivrajbhai patel, present the minutes of last meeting held on 17th May 2016 at SVMIT Bharuch.

He told that because of activities of sankul, the creative activities increases. The innovations become useful to society. An industry-Institute interaction increase as a result of working in harmony in all colleges, the objectives of sankul is achieved.

Agenda No-2 Brief report on activity since last meeting at each institute.

First of all **Mr. Dilip G. Kalathia** (TPO) of A.Y .Dadabhai Technical Institute Kosamba represented activity report of his institute during last two months, (1) During May 2016 about 270 pre-final year students take short term training for one or two weeks in about 52 industries as shodhyatra. (2) In PMKVY (Pradhan Mantri Kaushalya Vikas Yojna) 44 students (in two batches) take training in computer network and successfully completed and their examination is already done. (3) For staff two programmes were arranged one for awareness in social media (Facebook) and another on Sardar Sarovar- Delayed Benefits.

Future Plan :- Mr. D.G .Kalathia told that our institute is organizing two day workshop for students of all colleges of sankul on Advance Android and Internet of Things under MWTC on 22nd and 23rd July 2016.

We are also going to establish the cell by CED (Centre for Entrepreneurship Development) at our institute.

Principal of S.R.I.C.T. Shroff S.R. Rotary Institute of Chemical Technology- Vataria, Ankleshwar present the brief report of their activity.

For third semester students took one month Industrial Training in various industries. They prepared report and each student presented report among the class. More than 50% students got the job this year in various industries.

There are lots of activities such as motivational programmes. 'Peer' learning, PAIR learning, cash prizes for improvement in result, 5 S activities, e-news letter, classes to improve English level etc.

Future Plan :- Dr. Vagh sir announced that the next meeting of sankul members will be held on 30th July 2016 with agenda to formulate the problems for competition.

Dr. Snehal Lokhandwala TPO of S.R.I.C.T. also give brief report on the activities under TPO.

Prof. Nazneen Shaikh of Shri M.H.Kapadia Institute of Management and Computer Studies gives a short report of activities, training, MOUs with various companies and banks.

Mr. Suresh Balar Principal of Shri Dhanvantry College of Diploma Studies says that this is first meeting attending in sankul because their college is new just started three years, so their first batch is pass out. They are also doing activities like training, motivational programmes, parents meeting, expert lectures etc.

Principal Dr. R.J. Shukla Government Engineering College, Bharuch highlighted about the activities at G.E.C. Bharuch, though there is a shortage of staff, they got very good result and also doing an activities like training for students, expert lectures and other activities.

Dr. Ragesh Kapadia Principal of SVMIT presents the details about the activities in the college during last three months. All the pre-final students got one – two week training under 'Shodhyatra' for their final year project and mapping with students.

This institute has design different courses for student to make them entrepreneur. Dr. Kapadia gives the details of system. The institutes also run a short term course for staff development. They are also starting centre for excellence for industry persons.

Mr. Subhash Yadav from Narmada College of Management, Bharuch also gives the details of activities done in their institute. Institute also done various programme in rural area under 'Swachh Bharat Mission'.

Mr. Jatin C. Modh from Narmada College of Computer Application Branch highlights activities in

the college. The institute also planning 'Inter Sankul Project Competition'.

Agenda No. 3

Mr. Jivrajbhai Patel told that we are planning a combined meeting with industries in September.

Agenda No. 4 Future Planning for Sankul activities

All the institute planned for the Sankul activities for 2016-17.

For identification/ formulation of problems for competitions among students of sankul, the meeting of executive members of sankul will be held on 30th July 2016 at Shroff Rotary Institute of Chemical Technology, Vataria.

The meeting of executive members of sankul with industries and director of G.T.U. innovation sankul Dr. Nidhi Arora will be held at A.Y. Dadabhai Technical Institute, Kosamba in the third week of September 2016. In the end of meeting Mr. Jivrajbhai Patel concluded that it was very good learning season and provide good platform for everyone.

The vote of thanks was proposed by Mr. M.M. Dalchawal and invited all the members for lunch.



Report on Guest Lecture by Mr. S.M. Kanhare

A guest lecture under ISTE chapter was organized on 25th July 2016 at A.Y. Dadabhai Technical Institute, Kosamba on the topic of “Narmada Dam – Delayed Benefit” by Mr. S.M. Kanhare, Head of Civil Engineering Department Government Polytechnic Rajpipala.

Under this topic following points were covered.

- Delayed benefit of Sardar Sarovar Project.
- History of Narmada Dam Project.
- Technical specification and construction detail.
- Information regarding catchment area, power and water distribution for different states.

Finally, end of the seminar staff got awarded about some unknown facts of the Narmada Dam Project and it was quite informative and learning programme.

Venue : - B - Wing Computer Center

Time : - 10:00 AM TO 12:00 PM



A Report on SOCIAL MEDIA - IT'S AWARENESS AND UTILIZATION

A social media awareness programme was held at A.Y.DADABHAI TECHNICAL INSTITUTE KOSAMBA on 18TH June 2016 between 10:30 A.M. to 12:30 P.M. The main reason of this programme to provides necessary information regarding social media to all staff member of A.Y. DADABHAI TECHNICAL INSTITUTE, KOSAMBA. Today social media plays important role in all area of organization. Due to this reason, general awareness is necessary for all department staff member about social media and how to use different sites and applications that are available on social media. Lack of knowledge of sites and applications are harmful to all kind of people. Today completions are worldwide problem. If person waste his/her time to find required solution, he/she feels lots of trouble regarding problem.



Staff member of A.Y. DADABHAI TECHNICAL INSTITUTE, KOSAMBA

This programme was organized by computer department of A.Y.D.T.I, KOSAMBA. Mr.Vijay Patil Lecturer in computer department was coordinator of social media awareness and its utilisation programme. About 50 Staff member of A.Y.D.T.I, KOSAMBA attained this programme at 10:30 A.M. Mr. M.M.DALCHAWAL director of A.Y.D.T.I and Mr. N.J.Patel lecturer in civil department (retired lecturer in K.J.Polytechnic,BHARUCH) was main chief guest of this programme. All departments H.O.D also attained these programme.



Mr. Vijay Patil suggestion about facebook



Mr. M.m. Dalchawal and Mr. N.J. Patel
(Main chief guest)

At 10:30 A.M, Mr. Patil starts his speech about social media awareness and utilization. Step by step he gives the necessary information about facebook, twitter, instagram, tumblr, pinterest. He suggests that how to used facebook, twitter, instagram, tumblr, pinterest to connect our friends, family member and other people. Because today there is a global market in the world. If you cannot connect each other, you lose your valuable time. Now a day's communication is very necessary between people to person. Social media provides best way to connect person of different field.

Now a day's facebook is very popular sites on social media to connect friends, family member, and expert person of different field. We can easily find our friends, family member and expert person of different field and takes necessary suggestion regarding any problem arising in our mind. We can also know the thoughts of different person on the facebook and evaluated their valuable thoughts in our life. We can easily know the detail about person on facebook. We can easily chat with our friends, show a picture posted by him and comment on his /her picture. Now a day's facebook plays major role in education, manufacturing, management and marketing field. He gives necessary information about how many users on facebook in world and in different countries by showing bar chart. He also gives information about SWOT ANALYSIS of facebook. He also suggested to all staff member of A.Y.D.T.I, KOSAMBA about how to create our page on facebook which can useful for communication in education field. He also suggests how to operate twitter, instagram, tumblr and pinterest to all staff member.

Mr. Vijay Patil also suggested the role of social media in the field of education, Production, Management and Marketing.



Mr. Vijay Patil gives information about social media and its awareness to all staff member of A.Y.D.T.I,KOSAMBA.

During seminar session, Mr.Nikunj Taylor and Mr.Jaydeep Barad Lecturer in computer department also have been given to their suggestions about facebook.

Mr.Sakir Dinath H.O.D in electrical department also co-ordinator of social media in A.Y.D.T.I, KOSAMBA has given his thoughts about facebook to all staff member.

At the end of programme, Mr.Patil thankful to all A.Y.D.T.I, KOSAMBA staff member for given his/her valuable time to attain this programme. He gives tremendous speech about social media awareness and its utilisation.



Two Day Workshop On Advance Android and Internet of Things



A.Y. Dadabhai Technical Institute, Kosamba's Computer Department regularly organizes various workshops and Expert Lectures for the Students and faculty members. Main aim is to make the Students and faculty members aware of latest trends and technology popular in Software Industry.

As we all know that More than 70 % of the People are using Android as the Operating System of their mobile. Android has the largest installed base of all operating systems of any kind. Android's source code is released by Google under open source licenses, although most Android devices ultimately ship with a combination of open source and proprietary software, including proprietary software required for accessing Google services. So, we can freely use and edit source code of Android.

The Internet of Things (IoT) is a system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction.

We have invited **Mr. Nilay Patel and Mr. Mayank Abiyani** from Invision Software Solution to arrange the Advance Android workshop. Invision Software Solution is one of the reputed web design and Android Application Development Company since 2010. Invision Software Solution has 2 offices in Ahmadabad & Gandhinagar and provides various services like Android App Development, E-commerce development, website designing and development, SEO, SMM and Internet Marketing etc.

Mr. Vijay M Patil Lecturer in Computer Dept. A.Y. Dadabhai Technical Institute, Kosamba has elaborated the fundamentals concepts required for the IOT enabled Devices and Things which are required for the Smart Cities & Digital India Initiatives. The Hands on Programming Session on basic programming concepts of python is also conducted by him.

The Content Covered by the Resource Person in Workshop Session by Session. There are total of **63 Students** Participation in this Workshop.

Day – 1 (8:30 to 10:30) 22nd July 2016 [Friday]

Mr. Nilay Patel & Mr. Mayak Abiyani started the workshop with the distribution of Android Environment Software and explains how to setup Android Studio, SDK, Toolkit distribution and Installation. They also give example of sample App development of "Email-Application" and also describe how to access internal features like phone call using App.



Day – 1 (10:45 to 12:45) 22nd July 2016 [Friday]

Mr. Nilay Patel started session with advance features like how to integrate Google maps in android App. He also describes how to upload App on play store and database connectivity with PHP using android App.



Day – 1 (01:15 to 2:00) 22nd July 2016 [Friday]

In last session of day 1, **Mr. Mayank Abiyani** started session with practice session and then after they conducted Question & Answer session. They also show the sample App of Medical Emergency (108).



Day – 2 (8:30 to 10:30) 23rd July 2016 [Saturday]

Mr. Vijay M Patil started session with basics of IoT, IoT architecture and Why IoT needed. He also gave example of currently available IoT enabled devices like Amazon Echo (Home-Automation), Smart key tag and floating sensors in river. He also focusses on how to enable IoT in existing devices, Why IoT device should be wireless and also gave various demos of how IoT can helpful to us.



Day – 2 (10:45 to 12:45) 23rd July 2016 [Saturday]

Mr. Vijay M Patil started session with introduction to python programming, advantages of python, why to choose python for programming over available languages, how to write scripts for python. He also describes various available toolkit which can be used to implement python script (Rasberry Pi, Google Galileo etc.) and various simulators for enabling these boards (Installation of Zerynth) & Introduction to cooja simulator, contiki operating system.



Day – 2 (01:15 to 2:00) 23rd July 2016 [Saturday]

After Completion of Workshop all faculty Members of Computer Engg. Dept., Training & Placement Officer [**Mr. Dilip G. Kalthiya**], Director Sir [**Mr. M M Dalchawal**] gathered in Seminar hall along with the Participants for Valedictory Session.

After Certificates Distribution, Director sir Interacted with the Participants about the Experience of Two Days Workshop. There was tremendous happiness on each and every one participant's face. They also wish to attend the next workshop in our institute in next semester.



સફળતા માત્ર નસીબથી નથી મળતી, તેના માટે ખૂબ મહેનત જરૂરી છે : ફારૂક પટેલ



એ.વાય. દાદાભાઈ ટેકનિકલ ઈન્સ્ટીટ્યુટ, કોસંબામાં યોજાયો સાહસિકતા જાગૃતિ પર વર્કશોપ
(સંવાદદાતા દ્વારા) કોસંબા, તા.૮

કોસંબાની એવાય દાદાભાઈ ટેકનિકલ ઈન્સ્ટીટ્યુટમાં એન્ટરપ્રેન્યુચરશીપ અવેરનેસ (સાહસિકતા જાગૃતિ) વિષય પર મંગળવારે એક વર્કશોપ યોજાયો હતો. જેમાં ચીફ ગેસ્ટ તરીકે સુરત કેપી એનજી ડિ. (કેપી યુપ)ના મેનેજિંગ ડિરેક્ટર અને ચેરમેન ફારૂકભાઈ પટેલ ઉપસ્થિત વિદ્યાર્થીઓને સક્સેસ મંત્ર આપતા જણાવ્યું હતું કે સફળતા તે ફક્ત નસીબથી જ નથી મળતી પણ તે તો માણસે મેળવેલી મહેનતનું પરિણામ છે. બે અક્ષરનું લક, અઢી અક્ષરનું ભાગ્ય, ત્રણ અક્ષરનું નસીબ, સાડા ત્રણ અક્ષરનું કિસ્મત કરતા ચાર અક્ષરની મહેનત હમેશાં પરિણામલક્ષી અને કાયમી સક્સેસ આપનારી સાબિત થાય છે. તે માટે ગોલ નક્કી કરી સાચી દિશામાં પ્રયાસ કરવાની જરૂર છે. ફારૂકભાઈએ તેમના જીવનનું ઉદાહરણ આપતા જણાવ્યું હતું કે, હું ૧૨૦૦૦ પગાર ધરાવતા બસ કન્ડક્ટરનો પુત્ર છું અને ૧૨ ધોરણ ફેર્લ છું. સ્કુલમાં આખરી બેંચ પર બેસતો હતો પરંતુ મગજમાં કંઈ બનવાની ઈચ્છા હતી અને મેં ડિપ્લોમામાં એડમિશન મેળવ્યું. શરૂઆત કેપી ટ્રાન્સપોર્ટથી કરી અને બાદમાં કેપી કન્સ્ટ્રક્શન અને બિલ્ડકોમ શરૂ

કરી. આજે સોલારિઝમ અને કેપી એનજી ડિ.ની ૨૫૦ કરોડના ટર્નઓવર, બીએસસીમાં લિસ્ટિંગવાળી કંપનીનો મેનેજિંગ ડિરેક્ટર છું. લગન અને આપણાપણાંથી કરેલું કાર્ય ક્યારેય વિક્ષણ થતું નથી. નોકરી હોય કે બિઝનેસ સક્સેસને વહેંચો. નોકરીમાં તમારા બોસને કેડિટ આપી તેમને યોગ્ય ભથ્થું આપો. તેમણે વોરેન બફેટ, બીરુભાઈ, બિલ ગેટ્સના ઉદાહરણ આપતા વિદ્યાર્થીઓને કહ્યું હતું કે, કુદરતે તમને પણ એક માથું, એક દિમાગ, બે હાથ-પગ આપ્યા છે અને

તે આપણી પાસે પણ છે. જેથી ગરીબ-નસીબની લાચારીના બહાના ધરી બેસી ન રહો પણ આગળ વધો. જરૂર સફળતા કદમ ચૂમશે. આ કાર્યક્રમમાં મહેમાનોનું સ્વાગત એ.વાય.દાદાભાઈ ટેકનિકલ ઈન્સ્ટીટ્યુટના ડિરેક્ટર એમ.એમ.દાલચાવલ, પ્રાસંગિક સંબોધન સીઈડીના ડેપ્યુટી પ્રોજેક્ટ લીડર મયંક મહેતા, થેંકયુ સ્પીચ ઈન્સ્ટીટ્યુટના ઓફિસર દિલીપ કલાથિયાએ આપી હતી. આ પ્રસંગે દર મહિને પ્રસિધ્ધ થનારા ઈ-ન્યુઝલેટરનું પણ ઓપનિંગ કરવામાં આવ્યું હતું.

ફેર્લ એ ફર્સ્ટ એટેમ્પ ઈન લર્નિંગ છે : સૈય્યદુલ હસન

ઈસરોના એક્સ સાયન્ટિસ અને કેપી યુપના સીઈઓ સૈય્યદુલ હસને વિદ્યાર્થીઓને મોટિવ કરતા જણાવ્યું હતું કે, ફેર્લ એ ફર્સ્ટ એટેમ્પ ઈન લર્નિંગ છે. તેનાથી નાસીપાસ થવું નહીં પણ તેનાથી શીખ લઈ આગળ વધવું જોઈએ. તેમણે થોમસ એલ્વા કે જેણે બલ્બની શોધ કરી હતી તેના બાળપણના ફની ઈમેજિનેશનના ઉદાહરણ આપ્યા હતા અને કહ્યું હતું કે જે બાળપણમાં દરેક બાબત પર સવાલો પૂછતો હતો અને તેનાથી ત્રાસી પ્રિન્સિપાલે તેને શાળામાંથી ઉઠાડી લેવા તેની માતાને સૂચન કર્યું હતું. તેણે મોટા થઈ બલ્બની શોધ કરી દેખાડી. ઈમેજિનેશનથી ઈનોવેશનની શરૂઆત થાય છે. આઉટ ઓફ બોક્સ વિચારો અને તેને પામવા ગોલ લખી લઈ તે દિશામાં આગળ વધો. જોબ લેવાવાળા નહીં દેવાવાળા બનો.

દિવ્ય ભાસ્કર

સુરત, બુધવાર, ૯ માર્ચ, ૨૦૧૬

8

સફળતા નસીબથી જ નથી મળતી. તેના માટે સખત મહેનત જરૂરી છે કોસંબામાં સાહસિકતા જાગૃતિ પર વર્કશોપ યોજાયો

ભાસ્કર ન્યૂઝ. કોસંબા

કોસંબાની એ. વાય દાદાભાઈ ટેકનિકલ ઈન્સ્ટીટ્યુટમાં સાહસિકતા જાગૃતિ વિષય પર મંગળવારે વર્કશોપ યોજાયો હતો. જેમાં ચીફ ગેસ્ટ તરીકે સુરત કે. પી. એનજી ડિ.ના મેનેજિંગ ડિરેક્ટર અને ચેરમેન ફારૂકભાઈ પટેલે ઉપસ્થિત વિદ્યાર્થીઓને સફળતાનું મંત્ર આપતાં જણાવ્યું કે સફળતા ફક્ત નસીબથી જ નથી મળતી પણ તે તો માણસે મેળવેલી મહેનતનું પરિણામ છે. બે અક્ષરનું લક, અઢી અક્ષરનું ભાગ્ય, ત્રણ અક્ષરનું નસીબ, સાડા ત્રણ અક્ષરનું

કિસ્મત અને ચાર અક્ષરની મહેનત હમેશા પરીણામલક્ષી અને કાયમી સફળતા આપનારી સાબિત થાય છે. તે માટે ગોલ નક્કી કરી સાચી દિશામાં પ્રયાસ કરવાની જરૂર છે.

ફારૂકભાઈએ તેમના જીવનનું ઉદાહરણ આપતાં જણાવ્યું કે હું ૧૨૦૦૦ પગાર ધરાવતા બસ કન્ડક્ટરનો પુત્ર છું અને ૧૨ કલા ફેર્લ છું. ઉપરાંત તેમણે વોરેન બફેટ, બીરુભાઈ, બિલગેટ્સના ઉદાહરણ આપતાં વિદ્યાર્થીઓને કહ્યું કે કુદરતે તેમને પણ એક માથું, એક દિમાગ, બે હાથ-પગ આપ્યા છે. અને તે આપણી



પાસે છે. જેથી ગરીબ- નસીબની લાચારીના બહાના ધરી બેસી ન રહો. પણ આગળ વધો. જરૂરી સફળતા કદમ ચૂમશે. કાર્યક્રમમાં મહેમાનોનું સ્વાગત એ. વાય દાદાભાઈ ટેકનિકલ ઈન્સ્ટીટ્યુટના ડિરેક્ટર એમ. એમ. દાલચાવલનાઓએ કર્યું હતું. પ્રાસંગિક સંબોધન ઈ ડી ના ડેપ્યુટી પ્રોજેક્ટ લીડર મયંક મહેતા કર્યું હતું.

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STAFF & STUDENT ARTICLES

Smart TV:

Control your Smart TV using hand motions without remote!

You can now surf TV channels and digital media using simple gestures – touch-free – with no keypad in sight. The new Gesture Remote concept from Microchip Technology allows you to control all features of your TV without having to press a single button.



The new interactive TVs not only recognize hand gestures, but also voice commands with the assistance of a "Smart Touch Remote" control.



This is initial recognition of gesture



You can move to next page by above gesture



You can move to previous page by below gesture



You can control volume by long gesture

By :- **M. M. KAGDI**
(E & C Dept.)

VIRTUAL REALITY (VR)

Virtual Reality is defined as simulated environment, Interaction with human senses and Reactive to input from person. VR is able to immerse you in a computer-generated world of your own making. With VR, you can explore any uncharted territory of the human imagination.

VR system can include Glasses, Personal mobile suits, Head mounted visors, Tracking/Non-tracking, Motion Capturing and fully enclosed systems.

Types of VR System

- **Windows on World (WoW)**
 - Also called Desktop VR.
 - Using a conventional computer monitor to display the 3D virtual world.
- **Immersive VR**
 - Completely immerse the user's personal viewpoint inside the virtual 3D world.
 - The user has no visual contact with the physical world.
 - Often equipped with a Head Mounted Display (HMD).
- **Telepresence**
 - A variation of visualizing complete computer generated worlds.
 - Links remote sensors in the real world with the senses of a human operator. The remote sensors might be located on a robot. Useful for performing operations in dangerous environments.
- **Mixed Reality (Augmented Reality)**
 - The seamless merging of real space and virtual space.
 - Integrate the computer-generated virtual objects in to the physical world which become in a sense an equal part of our natural environment.
- **Distributed VR**
 - A simulated world runs on several computers which are connected over network and the people are able to interact in real time, sharing the same virtual world.

Technologies of VR—Hardware

- **Head-Mounted Display (HMD)**
 - A Helmet or a face masks providing the visual and auditory displays.
 - Use LCD or CRT to display stereo images.
 - May include built-in head-tracker and stereo headphones



- **Data Glove**
 - Outfitted with sensors on fingers and overall orientation tracking equipment and Enables natural interaction with virtual objects by hand gesture recognition.

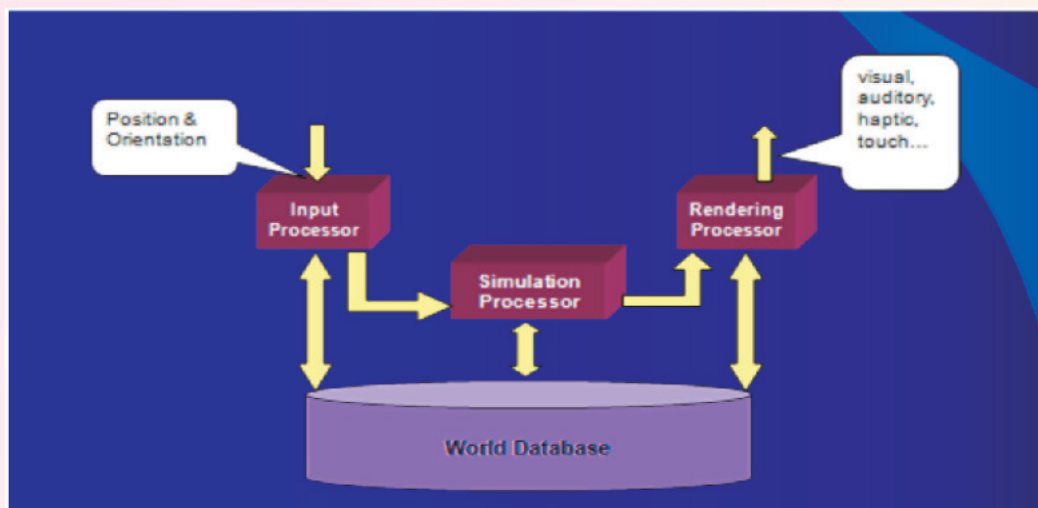
Technologies of VR--Software

- Multiverse (Freeware)
- Virtual Reality Studio
- Sense8 World Tool Kit (WTK)
- Autodesk Cyberspace Development kit

VRML (Virtual Reality Modeling Language)

- Standard language for interactive simulation within the World Wide Web.
- Allows to create "virtual worlds" networked via the Internet and hyperlinked with the World Wide Web.
- Aspects of virtual world display, interaction and internetworking can be specified using VRML without being dependent on special gear like HMD.
- VR models can be viewed by Netscape or IE with a browser plug-in.

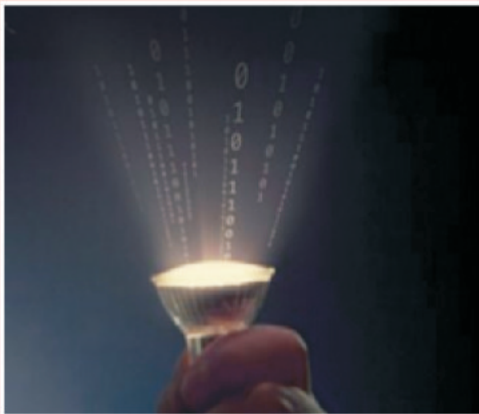
Architecture of VR System



- **Input Processor**
 - Control the devices used to input information to the computer. The object is to get the coordinate data to the rest of the system with minimal lag time.
 - Keyboard, mouse, 3D position trackers, a voice recognition system, etc.
- **Simulation Processor**
 - Core of a VR system.
 - Takes the user inputs along with any tasks programmed into the world and determine the actions that will take place in the virtual world.
- **Rendering Processor**
 - Create the sensations that are output to the user.
 - Separate rendering processes are used for visual, auditory and other sensory systems.

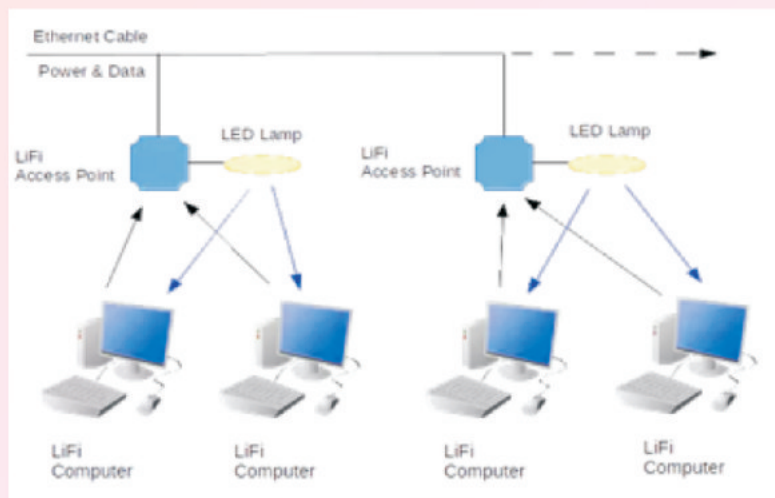
By :- Priya A. Mali [Comp.Dept]

Li-Fi: - Raising Alternative of Wi-Fi



Light Fidelity (Li-Fi) is a wireless technology similar to Wi-Fi that allows data to be sent at high speeds using visible light communication (VLC). Invented by **Professor Harald Haas** from the **University of Edinburgh**, Li-Fi has several advantages over Wi-Fi. It is so far measured to be about 100 times faster than some Wi-Fi implementations, reaching speeds of 224 gigabits per second.

The inventor of Li-Fi, Professor Harald Haas from the University of Edinburgh, has claimed that in the future every LED lightbulb could be used as an ultra-fast alternative to Wi-Fi. In a **"TED talk"** describing the technology, Haas said that current infrastructure was suitable for the integration of Li-Fi.



"All we need to do is fit a small microchip to every potential illumination device and this would then combine two basic functionalities: illumination and wireless data transmission," Haas said. "In the future we will not only have 14 billion light bulbs, we may have 14 billion Li-Fis deployed worldwide for a **cleaner, greener** and even **brighter** future."

While Li-Fi may not completely replace Wi-Fi, the technologies could be used in parallel to create more efficient networks.

Li-Fi technology can address all these issues

and here is the list of major advantages it offers:

- Li-Fi can work even under water where Wi-Fi fails completely, therefore it can be utilized by **military / navigation** operations.
- The spectrum of visible light is about **10,000 times** broader than that of **radio spectrum**.
- The visible light spectrum is unregulated and unlicensed which means that networks using Li-Fi system will be much **cheaper** and large number of data can be transmitted **free of cost**.
- It is also a safer way of data transmission as the data **cannot** be **intercepted** outside the room where it is transmitted. This will be very useful in many ways as it can prevent misuse of data and **piggybacking** that happens with Wi-Fi.
- It can be used in sectors such as **airplanes, oil refineries** and **industries** where interference of radio signals can cause a serious problem.
- There are millions of **street lamps** deployed around the world. Each of these street lamps could be **free access point**.
- **Traffic Lights** can communicate to the car and each other. **Cars** have LED based headlights, LED based cack lights, and **Cars can communicate** with each other and **prevent accidents** in by exchanging information.

By: - Vijay M Patil (Computer Dept.)

Internet of Things (IoT)- Biggest Industrial Revolution

Nowadays, all of us have heard about the term Internet of Things - it's the new buzz these days. It's bigger than the industrial revolution!! With the virtue of this, everything is getting connected." **Cisco predicts that there will be 50 billion 'things' connected by 2020".**

When this revolution is so huge! and when we are going to get connected with everything around us, hence it's necessary for us to know the basics of IoT. Keeping this in mind, here is a complete series that takes you through a walk with IoT.



Applications of IoT

What is IoT?

IoT stands for interconnection of internet enabled devices or things unlike people only connectivity used in today's internet. Due to huge growth in demand for IoT compliant devices chip makers are having great future ahead. Devices based on ethernet, zigbee, bluetooth and wifi will have huge requirements in consumer electronics segment. Cellular devices based on GSM and LTE also will be available to have connectivity with cellular wireless networks.

The technology which helps us interact with things around us in various ways. The things can be systems, machines or static objects. Unlike M2M which is used for machine to machine communication for mere monitoring and control applications, IoT is used for wide variety of applications. The applications of IoT are enormous viz. interacting with text books using QR code printed on it, smart meters, home router, TV, light control, A/C control, finding where which movie is running using NFC. IoT has covered all the industries right from energy, manufacturing, healthcare, telecom and transportation.

Though there are numerous advantages of IoT for the user there are many security aspects which need to be taken care by the user of IoT enabled devices. There are three main aspects such as connectivity, remote management and security.

The concept of clouds and mobile app has pioneered the existence of IoT.

IoT Applications

Following are few applications of IoT enabled devices.

Smart Home : With the use IoT network protocols, devices in the home are connected to the home network and are accessible directly over the home network and even remotely from across the world. These connected home devices are able to coordinate energy usage, consumer convenience, and possibly accurately and consistently anticipate the needs of the people who dwell in the homes. Mobile apps controlled thermostats and lighting solutions can already be found on retail store shelves. There is also a noticeable range of safety devices, which include remote system failure indicators, virtual tracking etc. The technology is also being extended to all other home use gadgets and devices.

Some of the IoT smart home applications are:

- Home security – Access control
- Lighting control
- Home health care
- Fire detection – Leak detection
- Energy efficiency
- Solar panel monitoring and control
- Temperature monitoring
- Automated meter reading

Healthcare : IoT-driven, monitoring systems are used for hospitalized patients whose physiological status requires constant close attention. These monitoring systems employ sensors to collect physiological information which is analyzed and stored using gateways and the cloud. This information is then sent wirelessly to caregivers for further analysis and review. It provides a continuous automated flow of information. Thus, the quality of care is improved through constant attention which in turn lowers the cost of care.

Smart Energy : IoT solutions are use in Energy sectors for efficient and smart utilization of energy.

Smart meter: "A smart meter is usually an electronic device that records consumption of electric energy in intervals of an hour or less and communicates that information at least daily back to the utility for monitoring and billing. Smart meters enable two-way communication between the meter and the central system. Unlike home energy monitors, smart meters can gather data for remote reporting."

With Smart Energy Metering, not only do technicians not have to come and physically read your meter, you have access personally to your energy usage so you can see what impact your consumption patterns have on your wallet and on the environment.

Connected Cars : A very useful implementation of IoT is the introduction of connected cars. The cars have sensors attached to them which help them analyze the traffic of the road, keeps them updated about the road condition and also keeps them connected with the road control center for further assistance. There are on-board diagnostic systems that alert you about almost everything in the car, from faulty lights to tire pressure.

Environment : Another significant implementation of IoT is in the field of environmental care. Global warming being an issue, IoT is being used to tackle this critical problem. Also, IoT allows quicker notification of natural disaster, thus saving crucial time. It also promotes better analysis and reporting. Also this technology helps in pollution and waste management using warning sensor.

Smart Cities : As it is with homes, our cities are also benefiting from this technology (IoT). The most clear examples are driving convenience (real time traffic tracking and parking information) and electricity optimization (using resources like lightning as per weather conditions and automated malfunction reporting). All major cities of the world are welcoming IoT based solutions.

Business : With the growth of IoT, business models are hugely innovated. It has become much easier to manage multiple location and keep a close quality check. More customers can be reached all at once and hence a great growth of the business.

Government : With the help of connected government, government sectors can keep a track of its local governing bodies like municipal corporation. It can also keep a track of its employee productivity. Common people can request their needs and government can deliver the service quickly. Also, with the massive amount of data collected from IoT sensors, it can lead to new innovations. And not to forget, citizens can also gain a knowledge about the working of their respective government.

Agriculture : The agricultural sector is not behind in IoT applications. In fact, it is doing more innovation with IoT.

IoT strategy is being utilized in agricultural industry and it is a huge success in terms of productivity, pest control, water conservation and continuous production based on improved technology and methods.

Some influences of IoT in agriculture:

- Crop monitoring: Sensors can be used to monitor crops and health of plants with the help of data collected. Sensors can also be used for early monitoring of pests and disease.
- Food safety: The whole supply chain – the farm, logistics and retails are all getting connected. Farm products can be connected with RFID tags – increasing customer confidence.
- Climate monitoring: Sensors can be used to monitor temperature, humidity, light intensity and soil moisture. These data can be send to the central system to trigger alerts and automate water, air and crop control.

Companies exploring the IoT Opportunities

Intel has recently introduced Gateway solutions for IoT along with companies such as McAfee and Wind River. This helps companies convert industrial devices into IoT compliant devices.

McAfee is also working towards providing assurance that devices manufactured are working as expected and they do not have any problem or issue. This helps users feel secure that IoT devices are secured from any threat.

Cisco is working towards converting all the devices into IP enabled devices. This is possible with their latest developments in IP space i.e. availability of IPv6 in a 40KB RAM.

Microsoft has also introduced windows operating system for IoT platform.

Oracle is promoting embedded java technology as key for IoT enabled devices.

So finally we can conclude, If properly managed IoT can be boon for mankind and if not managed carefully it can become curse for the mankind.

Jaydeep Barad

Encrypting Transactions with an App

An affordable and portable use of quantum-based tech may soon come to a Smartphone near you.



The billions of credit card transactions each year in the United States rely on secure cryptographic keys based on random numbers, which require specialized hardware to generate. Now, European physicists have shown how smart phones like the one in your pocket can reliably produce random numbers based on the laws of quantum mechanics.

Modern smart phone cameras are sensitive enough to detect variations in light by just a few photons — the fundamental particles of light. Researchers at the University of Geneva exploited this sensitivity to help produce random numbers. They also capitalized on another aspect of light: The exact number of photons emitted by a source at any instant is fundamentally unpredictable.

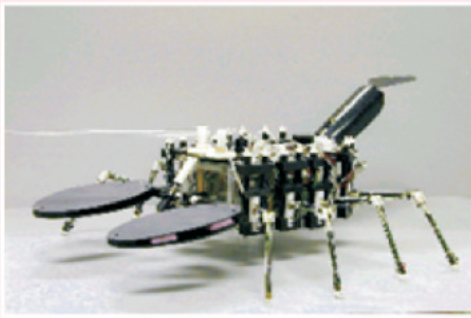
Bruno Sanguinetti and his team used an 8-megapixel camera in a Nokia N9 Smartphone to take a picture of a light-emitting diode. The camera's image sensor recorded the number of photons hitting each pixel, recovering a slightly different number each time due to quantum uncertainties. The scientists then turned these inherently random photon counts into strings of random numbers suitable for creating cryptographic keys.

After one of the random strings of digits is created on the phone, the digits would be sent to the other partner involved in the transaction (that is, the buyer or seller). The digits would function just like the encrypted numbers used today in credit card transactions. Only these would be even more secure because they'd be grounded in quantum uncertainties.

By :- Farnaz A Shaikh
(Computer Dept.)

Biomimetic Robots

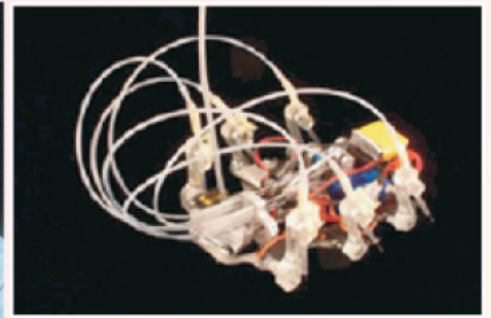
A lot of conventional thinking is prevalent in the field of robotics as a whole and this is an attempt to present a brief idea of things being done by researchers throughout the world in the field of biomimetic robots. Biomimetic or bioinspired robots is a broad term that applies to those robots whose design has been created or copied from the biological data of various organisms. It is an attempt by the researchers world-wide to understand how birds fly, how dolphins swim in water, how humans walk and apply those activities in a device which can lead to better technologies for the society in general. A brief introduction into the various research projects around the world has been given. Research groups have hopes of developing robots that might possibly detect mines, explore Mars through BEES (Bioinspired engineering of exploration systems), or even search for trapped people in disaster situation.



UNDERWATER ROBOTICS



BIOMIMETICS IN THE AIR



BIOMIMETICS ON LAND

APPLICATIONS

Various exciting applications can be thought of in this field. However, concrete development at this stage is very less. However, I would like to discuss some applications.

- The most exciting applications of all is that of the use of bioinspired robots in the exploration of Mars. The technology called BEES (bioinspired engineering of exploration systems) is being planned to utilize in future missions to Mars. Here, bioinspired visual navigation sensors are used on small flyers to enable autonomous flights. The bioinspired sensor suite consists of dragonfly inspired ocelli for flight stabilization and attitude referencing, honeybee-inspired optic flow for terrain following, lateral – drift containment, and localization, and sun and sky polarization based compassing. The sensors also include a perspective camera and panoramic camera for autonomous terrain following and hazard avoidance. Important factors to be considered include processing feature/landmark images and autonomous recognition strategies, sensing and communication, locomotion, adaptive control and reconfiguration, deployment, cooperative operations and bioinspired system design.
- In military missions, where humans cannot reach, these robots can reach and do the work if possible. For example, an unmanned aerial vehicle can be used for surveying and a lobster robot for checking if there are underwater mines.
- Further, surveillance capabilities need to be enhanced. Lobster robots can be sent to deep heights under the water to find out unexplored waters. At the same time, it can be used to find wreckages and debris under the water.

By:- Ankita Desai
(Computer Dept.)

Microsoft Builds Underwater Data Centers

The ocean is home to many strange relics of human existence, from a Texas-sized garbage patch, to barnacle-encrusted oil rigs to gold-bullion-filled shipwrecks. Now, scientists are hoping to add cloud-computing data centers to the list.

Microsoft Research has built a prototype data center that it recently deployed beneath the waves off the California coast. Ultimately, the new research endeavor, called Project Natick, aims to use seawater to cool the thousands of computers used in a typical data center. Building underwater data centers could also speed up data delivery, the researchers involved say.

"Half of the world's population lives within 200 kilometers [124 miles] of the sea, so bringing data centers to the ocean made a huge amount of sense to be able to make the actual cable to our customers as short as possible," Jeff Kramer, a research engineer with Microsoft, said about the project.

Energy hogs

Data centers are incredibly energy intensive; in 2013 they gobbled up about 91 billion kilowatt-hours of electricity, or the energy produced by 34 coal-fired power plants, according to the Natural Resources Defense Council. Much of that energy goes toward cooling the blazing hot computer chips inside the server racks.

What's more, companies typically place data centers in remote areas, such as the massive Google data center located in The Dalles, Oregon, because the huge amount of land needed is less expensive there. But as cloud computing becomes the norm, more people's essential data is stored in these far-flung places, meaning the information must travel a longer distance, taking longer to reach the end user.

Long-term ocean dwellers

While the concept sounds outlandish, Microsoft's underwater server capsule relies on many established technologies. The servers are standard servers encased in a steel drum 8 feet (2.4 m) in diameter, with sturdy bolts and fittings to make it waterproof. The steel drum is fitted with tubes and cables that transfer heat from the hot chips inside to the cool ocean outside. The computer chips housed inside are cooled with liquid nitrogen.

Long-term, the team hopes these capsules can sit at the seafloor, quietly powering the world's Internet usage, without any maintenance for five years. So the team needs to make improvements in the materials to make that a reality, according to a press release.

Right now, cables snake out from the water to the shoreline to power the servers. But one day, the team hopes to generate the power to operate the servers beneath the waves by employing underwater turbines.

In November 2015, the team used a crane to drop the server 30 feet (9 m) below the water's surface off the Central California coast. After 105 days, the team found the servers performed better than they hoped, even running some commercial cloud software. To see if the project is viable, Microsoft is planning to deploy additional underwater servers off the coast of Florida or somewhere in Northern Europe.

By :- Abdullah M. Hans
(Computer Dept.)

A New Day

Outside my window, a new day I see,
Only I can determine the day it will be.

It can be busy and sunny, laughing and gay,
Or boring and cold, unhappy and gray.
My own state of mind is the determining key.
For I am only the person that I let myself be.

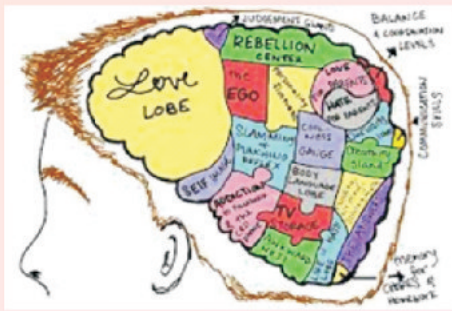
I can be thoughtful and do all I can to help,
Or be selfish and think just of myself.
I can enjoy what I do, and make it seem fun,
Or gripe and complain, make life hard on someone.

I can be patient with those who may not understand,
Or belittle and hurt them as much as I can.
But I have faith in myself, and believe what I say
And so I intend to make the best of my day.

There is only one way really to live, and that is to start out every morning with a firm resolution to get the most out of that day, to live it to the full. No matter what happens or does not happen, what comes or does not come, resolve that you will extract from every experience of the day something good, something that will make you wiser and show you how to make fewer mistakes tomorrow. Say to yourself, "This day I begin a new life. I will forget everything in the past that caused me pain, grief, or disgrace."

By :- N. C. Tailor
(Computer Dept.)

Brain Growth and Development



At birth, a baby's brain already has **100,000,000,000** cells. This is about the same number of stars in the Milky Way. Unlike the rest of a new baby's body, the brain is not complete at birth. In order to start working, the cells need to communicate with each other. As a baby starts to experience life, connections are made between cells - the more connections there are, the more the brain can do.

A baby's brain develops so fast that by age two a child who is developing normally has the same number of connection as an adult. By age three, a child has **TWICE** as many brain connections as an adult.

Early milestones in brain growth.

4 months: The infant's brain responds to every sound produced in all the languages of the world.

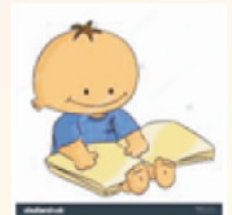


8 to 9 months: Babies can form specific memories from their experiences, such as how to push a ball to make it roll.

10 months: Babies can now distinguish and even produce the sounds of their own language (such as "da-da") and no longer pay attention to the sounds of language that are foreign.



12 months: Babies whose parents say, for example, "Lookeee at the doggiee," will go to the appropriate picture of a dog in a picture book more often than those babies who are talked to in normal, flatter voices.



12 to 18 months: Babies can keep in memory something that has been hidden and find it again, even if it has been completely covered up. They can also hold memory sequences of simple activities, such as winding up a Jack-in-the-box until the figure pops up.



24 months: Preschool children now have clear pictures in mind of people who are dear to them, and they get upset when separated from these people (even their peers).



30 months: Preschool children can hold in mind a whole sequence of spatial maps and know where things are in their environment.



36 months: A preschool child can now hold two different emotions in his mind at the same time, such as being sad that he spilled ice cream on his clothes but glad that he's at a birthday party.



By :- **SABIR KHAN S. PATHAN**
(Gen. Dept.)

Why Is Reading Important ?

From time to time people have wondered why reading is important. There seems so many things to do with one's time. Reading is important for a variety of reasons. We will look at some of those fundamental reasons below.

1. Reading is fundamental to function in today's society. There are many adults who cannot read well enough to understand the instructions on a medicine bottle. That is a scary thought – especially for their children. Filling out applications becomes impossible without help, Reading road or warning signs is difficult. Even following a map becomes a chore. Day-to-Day activities that many people taken for granted becomes a source of frustration, anger and fear.

2. Reading is a vital skill in finding a good job. Many well-paying jobs require reading as a part of job performance. There are reports and memos which must be read and responded to. Poor reading skills increase the amount of time it takes to absorb and react in the workplace. A person is limited in what they can accomplish without good reading and comprehension skills.

3. Reading is important because it develops the mind. The mind is muscle. It needs exercise. Understanding the written word is one way the mind in its ability. Teaching children to read helps them develop their language skills. It also helps them learn to listen. Everybody wants to talk, but few can really listen. Lack of listening skills can result in major misunderstandings which can lead to job loss, marriage breakup and other disaster – small and great. Reading helps children and adults focus on what someone else is communicating.

4. Why is reading important? It is how we discover new things. Books, magazines and even internet are great learning tools which require the ability to read and understand what is read. A person who knows how to read can educate themselves in any area of life they are interested in. we live in an age where we overflow with information, but reading is the main way to take advantage of it.

5. Reading develops the imagination. Reading develops the creative side of people. When reading to children, stop every once in a while and ask them what they think is going to happen next. Get them thinking about the story. When it is finished, ask if they could think of a better ending or anything that would have improved it. If they really liked the story, encourage them to illustrate it with their own drawings or to make up a different story with the same characters. Get the creative juices flowing!

6. Reading is fundamental in developing a good self image. Nonreaders or poor readers often have low opinion of themselves and their abilities. Many times they feel as if the world is against them. They feel isolated [everybody else can read-which isn't true] and behavior problems can surface. They can perform poorly in other subjects because they cannot read and understand the material and so tend to "give up"

7. Good reading skills, especially in a phonics reading program, improve spelling. As students learn to sound out letters and words, spelling comes easier. Also reading helps to expand the vocabulary. Reading new words puts them in their mind for later use. Seeing how words are used in different contexts can give a better understanding of the word usage and definitions that the cold facts of a dictionary.

8. There is an old saying, "The pen is mightier than the sword." Ideas written down have changed the destiny of men and nations for better or worse. The flow of ideas cannot be stopped. We need to read and research to build on the good ideas and expose the bad ideas before they bring destruction. Only by reading can we be armed in this never-ending, life-and-death struggle.

9. The fact of power of written ideas communicated through reading is a foundational reason why some governments oppose free and honest communication. Illiterate people are easier to control and manipulate. They cannot do their own research and thinking. They must rely on what are told and how their emotions are swayed. There is a good possibility that this is one of the main reasons phonics was removed from the schools about 100 years ago.

10. Finally, why reading important? Reading is important because words – spoken and written – are the building blocks of life. You are right now, the result of words that you have heard or read and believed about yourself. What you become in the future will depend on the words you believe about yourself now. People, families, relationships and even nations are built from words. Think about it.

I think everyone can conclude that reading is a vital skill. Reading strategies are also a part of learning to read.

How do I get the most out of my classes?

Preparation, Do the assigned reading before the class. You're going to have to read it sometime, and if you go to the class with it done, you'll understand the lecture much better. Best of all, you'll know what questions to ask, to clarify what you've read. Check your course outline to see how each class fits into the overall course. Briefly review your notes from the last class, so you'll be able to connect the new material to what you already know. This helps your mental filing system, and makes information easier to remember.

Listening in Class Research shows that the average college student listens at about 35% efficiency - there's room for improvement for us all. Listening is active. Involve yourself in the lecture and don't just let it happen to you.

- ❖ Choose a seat where you can see and hear well, away from distractions.
- ❖ Hold a pen in hand, ready to take notes. It helps you focus.
- ❖ Watch the teacher he as she talks. Watch for signals that will help you know the difference between main ideas and supporting information.
- ❖ Think about what the teacher is saying. Think: "What would be a good test question on this material?" or "How could I use this information?" or "What can I ask to clarify what is being said?"
- ❖ Try not to let your mind wander. Pull your concentration back when you have a lapse.
- ❖ Be open to learning something new and it can be exciting.
- ❖ Try to guess what the teacher might say next.
- ❖ Use the helpful mnemonic LISAN:
 - ❖ Lead - think ahead, don't just follow
 - ❖ Ideas-watch for the main ideas
 - ❖ Signals - beware of the teacher nonverbal cues
 - ❖ Active - stay focused
 - ❖ Notes - they are you summary of the class

Why Should I Make Notes In Class?

- ❖ Memory may be unreliable. It may let you down.
- ❖ Your notes provide a summary from where to study.

- ❖ Making notes encourages you to put the main ideas down on paper, in your own words. This makes them easier to remember
- ❖ Notes expand on the information in the textbook. Teachers and class discussions add current real-life ideas, examples, and explanations.

Develop your own notemaking style, so that your notes make sense to you when you review them at home. Think of your notes as an outline.

- ❖ Use headings and sub-headings.
- ❖ List items 1,2,3, etc.
- ❖ Use a phrase or word, rather than a sentence.
- ❖ Note examples with a one-word reminder.
- ❖ Develop your own short forms (e.g. MKT for marketing).
- ❖ Don't spend time rewriting your notes to make them look better. As long as they make sense to you, that's what is important.
- ❖ Don't try to write down every word. Go for the main ideas.

Watch for signals. Notemaking depends on your active listening in class. Listen and watch for signals that will help you select the main ideas, for example the teacher may:

- ❖ repeat a point several times
- ❖ speak loudly to emphasize
- ❖ write on the board or put on an overhead
- ❖ distribute a handout
- ❖ say things like: "There are three reasons for this.. ."/"The most important thing to remember is..."

Review notes the same day. The class is still fresh in your mind, and you can add to your notes if you need to. Recalling material that day signals the brain that this material must be stored for future use. Could you summarize the class to someone who wasn't there, using your own words? If you can, you've done a good job of notemaking.

ROBOTICS

FANUC UK has announced the launch of its latest collaborative robot, the CR-7iA, with the ability to lift payloads of up to 7kg. The CR-7iA's mechanics corresponds to that of the FANUC's LR Mate-series (LR Mate 200iD) and makes it more accessible for manufacturers looking to handle lighter materials, while working hand-in-hand with human workers.

Collaborative robots provide the benefit of handling heavy materials, and dangerous tasks without the need for industrial barriers due to their protective functions. Strenuous, routine jobs, along with handling tasks at workstations with unfavorable ergonomic conditions, are optimal tasks for the CR-7iA and the CR-35SA.

The introduction of the lower payload CR-7iA collaborative robot will be attractive to various manufacturing industries, as they continue to expand automation across the plant floor, reducing costs and driving efficiencies.

www.fanuc.eu

3D printing integral to new solar powered electric scooter

With the objective to 'redefine the modern way of traveling in cities worldwide', the 'e-floater' scooter houses an electric-motor and drives on three wheels, enabling users to stand upright and ride freely without physical exertion. As an 'intelligent' vehicle, the e-floater is also able to communicate to its owner in real time where it is located and the condition it is in.

Floatility utilized both Stratasys FDM and Polyjet 3D printing technologies throughout the product development phase to create a working prototype. An additional benefit was that this was achieved significantly more cost-effectively than using traditional methods.

"The need to build prototypes that exactly resembled the final product and that would enable us to test everything thoroughly was vital to the successful launch of this product." "3D printing was essential in this regard as it allowed the team to physically test the design and concept of e-floater as if it were the final product. This not only sped up the product development cycle, but dramatically reduced our product development costs. product from concept to launch without using Stratasys 3D printing solutions to develop a working prototype - it's as simple as that."

As well as improved time and cost efficiencies, the decision to use multiple Stratasys 3D printing technologies was also based on the capability to combine different materials in one print, which enabled the prototype versions to comprise both soft and hard materials.

This saw the team produce soft components such as the tail- and front lights, wheels and grips on the Polyjet-based ObjetSOO ConnexS Color Multi-material 3D Printer, while the super-tough components were 3D printed using the mechanically-strong and UV stable, FDM-based, ASA material on the Stratasys Fortus 450 3D Production System.

According to Risse, the less favourable alternative would have been to use silicon molding to create the prototype. "This was not ideal for a number of reasons," he-says. "Not only would it have entailed an assembly of up to 20 parts, but the costs would have been significantly higher and the production time would have been double to that achievable with 3D printing."

"The e-floater is a perfect example of how 3D printing enables designers and inventors to turn their concepts into fully-operational products quickly and cost-effectively,"

Intelligent Cooling Concept

HydroSink™ from Aavid Thermalloy is an intelligent, innovative, high performance Liquid Cooling System which aims to replace existing air cooled systems. HydroSink™ is the most efficient and convenient solution for medium and high power electronics.

HydroSink™ drastically reduces costs compared to traditional air cooling systems. This is the result of the three main advantages that it provides: compactness, high-reliability and optimized thermal performance.

It is produced using the most reliable components on the market, while the liquid cold plate is fully customizable.

HydroSink™ is available in two sizes: "Small" and "Medium"; it can be supplied ready installed in a cabinet or as separate components. The small cabinet measures 465x400x525 mm and the medium cabinet measures 610x400x680 mm (stand-alone system without LCPs mounted). The nominal dissipated powers are 3.0 kW and 9.9 kW respectively, while they can work in a wide range of thermal resistances by acting on fan and pump speed ("Small" size: 7.0-21.0 °C/ kW and "Medium" size: 2.9-9.0 °C/kW). Both Small and Medium Hydrosink are CE certified.

When supplied as separate components the system can be arranged in different ways and positions, according to customer's needs, giving high installation flexibility. The liquid cold plate(s) can be located inside a customer's sealed cabinet, with remote location for pump and heat exchanger or close to them for a more compact solution.

The system is produced using the most reliable components on the market, while the liquid cold plate is fully customizable. The pump has ultra-hard wearing resistant ceramics ball support, self-realigning rotor with magnetic support; the fan used has been homologated for automotive applications and both have a life-span of more than 50,000 hours. The system has components working in AC that can be used both in US and Europe without any adaptor being needed.

The control system is simple and efficient, able to monitor the operating conditions and to modify them if and when needed. The controller allows the fan and the pump to slow down 'when ambient temperature or power dissipated permits, in order to increase the components life-span. With this approach, it is possible to guarantee a stable cooling condition with different ambient temperatures and power dissipations. www.aavid.eu/online-store

पानी का महत्व

मछली जल की रानी है ।
जीवन उसका पानी है ।

हाथ लगाओ डर जायेगी ।
बहार निकालो मर जायेगी ।

यह कविता जो बात कहती है वह यह कि पानी केवल मछली के लिए ही नहीं किन्तु सभी पेड़ पौधे, पशु, पंखी, कीटक मनुष्य आदि के लिए भी अनिवार्य है । हम पेड़-पौधे उगाते हैं तो उसे समय-समय पर पानी देना पड़ता है । वरना वे मुरझा जाते हैं । पानी का सबसे ज्यादा इस्तेमाल मनुष्य करता है । हम जब सुबह उठते हैं तब दांत साफ करने से लेकर, नहाने में, कपड़े धोने में, साफ-सफाई में, रसोई में इस तरह सभी जगह पर पानी इस्तेमाल होता है । इतना ही नहीं कृषि के लिए तो पानी अत्यंत आवश्यक है । उसके बिना कृषि संभव ही नहीं । कारखानों में भी पानी बड़ी मात्रा में खपत में रहता है । घर बनाने के लिए भी पानी की जरूरत रहती है । गर्मी के दिनों में तो कई जगहों पर पशु-पंखी के लिए जल से भरा हुआ पात्र रखा जाता है ताकि वे लोग प्यास से मर न जायें । हम लोग भी जब अनशन करते हैं तब खाना नहीं खाते लेकिन पानी तो पीना ही पड़ता है । इस लिए तो कहते हैं । “जल ही जीवन है” । परंतु इस धरती पर प्राप्य जल का जथा कम है, इस लिए हमें पानी बचाना चाहिए ।

By : Mr. R.S. Patel
(Mech. Engg. Dept.)

LIFE IS A GIFT

- ❖ Today before you say an unkind word - Think of someone who can't speak.
- ❖ Before you complain about the taste of your food - Think of someone who has nothing to eat.
- ❖ Before you complain about your husband or wife - think of someone who's crying out to God for a companion.
- ❖ Today before you complain about life - Think of someone who died too early on this earth.
- ❖ Before you complain about your children - Think of someone who desires children but they're barren.
- ❖ Before withing about the distance you drive - Think of someone who walks the same distance with their feet.
- ❖ And when you are tired and complain about your job - think of the unemployed, the disable and those who with they had your job.
- ❖ But before you think of painting the singer or condemning another remember that not one of us is without sin
- ❖ And when depressing thoughts seems to get you down - put a smile on your faee and thing you're alive and still around.

**I PRAY
THIS MOVES AROUND
THE ENTIRE UNIVERSE....**

By & Umang Desai
(Lecturer Mech. Dept.)

SAVE THE GIRL CHILD

A girl child is a goddess, the creator of next generation, and so many definitions we can give for a girl child, then only our society is still not accepting the fact that healthy a happy girl gives birth to a happy & prosperous nation.

As all we know that still there are such people in our society, we don't want a girl child in their family. Since of them get them aborted while some cruel one of them kill little princess born in their family.

India is growing dynamically in every field today the boom, in economy, innovation technologies & improved infrastructure has become nation's pride. In India dynamic & vibrant universities, I.I.T's, schools & college were setup to changing the global trends. The country has witnessed advancements in all fields but bias against girl child is still prevailing in the country. In order to improve the condition of a girl child in India many NGO's state government & central government launches the "SAVE THE GIRL CHILD" Campaign to arrest declining sex Ratio. But to save the girl child it is essential to ascertain the root cause of the backwardness of the society. Being a made interested society, family's desire for a male child to carry forth the ancestral heritage.

The first question parents ask at the birth of the child in all society, all over the world is always the same is it a Boy or Girl ? If a boy then whole family celebrate that day with great zeal and for girl child wise-versa. After marriage woman has a limited role to play in the business affairs of a narrow minded traditional family her talents get wasted. The Indian law has always been forceful in implying the privileges of the lady members of the society.

It is shame for us that for us that "Bharat Mata Ki beti ko Apne Astitva ke liye Sangharsh Karna Pad Raha Hai" but girl child only be saved if the mentality of common man towards girl changed.

Save the girl child because if there is no daughter then how would we have mother. Daughter means saving mother, these saving country.

"HOW CAN ANYONE DO THAT ? FOR HOW LONG ? WHY CAN'T IT BE STOPPED ? HOW CAN ANYONE KILL A DAUGHTER EITHER IN THE WOMB OR AFTER THE BIRTH ?

THERE ARE SO MANY UNANSWERED QUESTIONS.....

By :- Miss Sneha
(Lecturer Electrical Engg. Dept.)

ATTEMPT

"Your Attempt may fail,

..... But never fail to make an Attempt"

As I was passing the elephants, I suddenly stopped confused by the fact - that these huge creatures were being held by only a small rope tied to their front leg. No chains no cages. It was obvious that the elephants could at any time, break away from the ropes they were tied to but for some reason, they did not. I saw a trainer nearby and why these magnificent animals just stood there and made no attempt to get away.

"Well" he said, "When they were very young and much smaller, we use the same size of rope to tie them and, at that age, it's enough to hold them. As they grow up, they are conditioned to believe that the rope can still hold them, so they never try to break free."

I was amazed. These animals could at any time break free from their bonds but because they believed they couldn't they were stuck right where they were.

Like the elephants, how many of us go through life hanging onto a belief that we cannot do something, simply because we failed at it once before? So, make an attempt to grow further..... why shouldn't we try it again?

By :- Umang Desai
(Lecturer Mech. Dept.)

10 MUST KNOW WEBSITES

Search Engine	: www.google.com
Reading	: www.goodreads.com
Traveling	: www.dontforget-yourtoothbrush.com
Statistics	: www.nationmaster.com
Social Networking	: www.facebook.com
Free Encyclopedia	: www.wikipedia.org
Video Sharing	: www.youtube.com
Auction	: www.ebay.com
Mathematics	: www.mathworld.com
Torrents	: www.mininova.com

By :- Umang Desai
(Lecturer Mech. Dept.)

ગણિતનાં આધારે જીંદગીનો હિસાબ

માણસ અને ગણિતને જન્મજાત સંબંધ છે. માણસ સ્વભાવે જ ગણતરી બાજુ છે. દરેક પ્રવૃત્તિમાં માણસ હિસાબ કરે છે. કેટલાક માણસોની તો પ્રકૃતિ જ હિસાબી થઈ જતી હોય છે. દરેક માણસનું પોતાનું અર્થતંત્ર હોય છે. પોતાનો અર્થ એટલે કે આવક મુજબ માણસ પોતાનું તંત્ર એટલે કે જીવન ચલાવતો હોય છે. દરેકને પોતાનું બજેટ હોય છે. આવક, ખાવક, નફો, ખોટ, સરવાળા, બાદબાકી જેવા હિસાબ કિતાબના આધારે માણસ જીવે છે.

હિસાબના આધારે જ માણસ બધું પ્લાનીંગ કરતો હોય છે. હિસાબ કર્યા વગર બે છેડાં ભેગા ન થાય ક્યારેય જીંદગીનો હિસાબ કર્યો છે ? તમારી પાસે જીંદગીનાં કેટલા દિવસો બચ્યાં છે ? માણસ પાસે જન્મ તારીખ હોય છે. પણ મરણ તારીખ હોતી નથી. અલબત્ત બધાં એટલું તો જાણે જ છે કે એક સમયે મોત આવવાનું છે. અહીં આપણે મોતની વાત નથી કરવી પણ જીંદગીની વાત કરવી છે.

ગણિતમાં દાખલાનો જવાબ લાવવા માટે કોઈ આંકડો કે અક્ષર ધારી લેવામાં આવે છે. જેનાં માટે X અને Y નો ઉપયોગ કરવામાં આવે છે. જીંદગીનાં હિસાબમાં એક તારીખ ધારીને આગળ ચાલવું પડે છે. આ તારીખ એટલે મરણ તારીખ.

ચાલો ! આપણે જીંદગીનો હિસાબ માંડીએ. એક કાગળ પર તમારી જે ઉંમર હોય એ લખો. હવે તમે તમારા જીવન વિશે જેટલા વર્ષની કલ્પના કરી હોય એટલા વર્ષ પછીની એક તારીખ નક્કી કરી એને કાગળ પર લખો. પછી હિસાબ માંડો જીંદગીનાં કેટલા દિવસો બાકી છે.

હવે આપણે દાખલો માંડીએ, ધારો કે આજે તમારી ઉંમર ૨૦ વર્ષની છે. તમે ધારો છો કે તમે ૭૦ વર્ષ જીવશો આ તો માત્ર ધારવાની વાત છે. બાકી આ તારીખ કોઈને ખબર હોતી નથી. એ તારીખે કદાચ નજીકની પણ અને કદાચ દુરની પણ હોય. સરવાળી જરૂર નથી. હિસાબ કરો તમે ૨૦ વર્ષનાં છો, અને ૭૦ વર્ષ સુધી જીવશો એટલે કે તમારી પાસે જીવવા માટે ૫૦ વર્ષ છે. જેનાં હિસાબ નીચે મુજબ છે.

એક વર્ષનાં ૩૬૫ દિવસ ૫૦ વર્ષનાં દિવસોનો હિસાબ કરીએ તો ૧૮,૨૫૦ દિવસ થાય. માણસ દરરોજ સરેરાશ ૮ કલાક ઉઘે છે. મતલબ કે ૨૪ માંથી ૮ કલાક સુવાનાં જાય. ટકાવારી કરીએ તો કહી શકાય કે માણસ દિવસનાં ૩૩% ઉઘવામાં વિતાવે છે. આ ૩૩% તમારી કુલ દિવસો ૧૮,૨૫૦ માંથી બાદ કરો તો ૧૨,૨૨૨ દિવસો બચે. તમારી જાગૃત અવસ્થાનો કલાકમાં હિસાબ કરીએ તો ૨ લાખ ૯૩ હજાર ૪૭૨ કલાક છે. હવે તમે વિચારો કે તમારો એક-એક કલાક કેટલો કિંમતી છે ? તમે તમારી જીંદગીનો દરેક કલાક પુરી રીતે જીવો છો ? જીંદગી સરકતી રહે છે. માણસ ધારે તો પોતાના કલાકોને પુરી ખુમારીથી જીવી શકે છે.

જીંદગી પ્રત્યેના સહુનાં અલગ-અલગ અભિગમ છે કહેવાય છે કે

જુદી છે બંદગી નમાજે નમાજે, જુદી છે જીંદગી મિજાજે મિજાજે

આપણે આપણી જીંદગીનાં કેટલા કલાકો ખટપટ, કાવાદાવા, ગુસ્સો, વેરઝેર, લડાઈ-ઝગડા અને રાગદ્વેષથી વિતાવીએ છીએ ? માણસ રૂપિયાની જેટલી ચિંતા કરે છે એટલી ચિંતા પોતાના સમયની કરતો નથી થોડાક રૂપિયા જાય તો આપણે હિસાબ માંડવા બેસીએ છીએ પણ થોડાક કલાકો બગડે ત્યારે આપણે તેને ગંભીરતાથી લેતા નથી. સંપત્તિનાં હિસાબ કરવામાં માણસ શ્વાસનો હિસાબ કરવાનું ભુલી જાય છે.

એટલે જે કહેવાયું છે.

જુંદગી ! જોતી ખબર કે માત્ર તું તો છે ગણિત, એક ડગલું ખોટું ને ખોટો જ આખો દાખલો.

ના, ગણિત શાની ? ગણિતમાં આંકડા ભુસી રકમ ખરી માંડી શકાય, જુંદગીમાં એ પણ નહીં ?

કોઈ પણ ઘડિયો કે જેનો એકમ નો એક (Unit Digit) ૯ આવતો હોય તેવા ઘડિયા એકદમ સરળ રીતે લખવાની પદ્ધતિ.

જે ઘડિયો લખતાં હોય તેના જવાબનાં એકમનાં અંકની શરૂઆત ૯ થી કરી શુન્ય સુધી દર્શાવો.

દા.ત. $99 \times 1 = 9$

$$99 \times 2 = 8$$

$$99 \times 3 = 7$$

$$99 \times 4 = 6$$

$$99 \times 5 = 5$$

$$99 \times 6 = 4$$

$$99 \times 7 = 3$$

$$99 \times 8 = 2$$

$$99 \times 9 = 1$$

$$99 \times 10 = 0$$

૯ ની આગળના આખા એકમાં તેના પછી તરતની આવતી સંખ્યા ઉમેરતા જે જવાબ આવે તેને આપણે દર્શાવેલા એકની આગળ લખતા જાવ.

દા.ત. ૯૯ નાં ઘડિયા માટે ૯ ની આગળ ૧ આવે અને ૧ પછી તરત ૨ તો $1+2=3$

For 129	$129 \times 1 = 129$	$59 \times 1 = 59$	$19 \times 1 = 9$
	$129 \times 2 = 258$	$59 \times 2 = 118$	$19 \times 2 = 8$
	$129 \times 3 = 387$	$59 \times 3 = 177$	$19 \times 3 = 7$
	$129 \times 4 = 516$	$59 \times 4 = 236$	$19 \times 4 = 6$
	$129 \times 5 = 645$	$59 \times 5 = 295$	$19 \times 5 = 5$
	$129 \times 6 = 774$	$59 \times 6 = 354$	$19 \times 6 = 4$
	$129 \times 7 = 903$	$59 \times 7 = 413$	$19 \times 7 = 3$
	$129 \times 8 = 1032$	$59 \times 8 = 472$	$19 \times 8 = 2$
	$129 \times 9 = 1161$	$59 \times 9 = 531$	$19 \times 9 = 1$
	$129 \times 10 = 1290$	$59 \times 10 = 590$	$19 \times 10 = 0$

અમેરિકાના રાષ્ટ્રપતિ જર્જીજ વૉશિંગ્ટન સમય પાલનના ભારે આગ્રહી હતા અને ‘દરેક કામ સમયસર જ થવું જોઈએ’ એ એમના જીવનનો મુદ્રાલેખ બની ગયો હતો. એક દિવસ તેમણે કોગ્રેસના કેટલાક નવા સભ્યોને ભોજન માટે નિમંત્ર્યા. ભોજનનો સમય થયો પણ સંજોગોવશ એમાંના કોઈ સમયસર આવી શક્યા નહિ. થોડો થોડા મોડા પડેલા દરેક જણ પ્રથમ વેઈટિંગ રૂમમાં બેઠા અને બધા આવી જતાં અંદર જઈને જોયું તો રાષ્ટ્રપતિ મહેમાનો માટે સજાવેલા વિશાળ ડાઈનિંગ ટેબલ પર એકલા બેઠા ભોજન કરી રહ્યા છે. આશ્ચર્યચકિત આમંત્રિતો સામે જોયા વિના વૉશિંગ્ટને કેવળ આટલું જ કહ્યું: “મિત્રો ! મારો રસોઈયા એ નથી જોતો કે મહેમાન આવ્યા છે કે નહિ; એ તો માત્ર એટલું જ જુએ છે કે ભોજનનો સમય થયો છે જો કે નહિ !”

જો તમારે એક વર્ષની કિંમત સમજાવી હોય તો,

એક ધોરણમાં નાપાસ થયેલા વિદ્યાર્થીને પૂછો.

જો તમારે એક મહિનાની કિંમત સમજાવી હોય તો,

સમય પહેલાં બાળકને જન્મ આપેલ માતાને પૂછો.

જો તમારે એક સપ્તાહની કિંમત સમજાવી હોય તો,

સાપ્તાહિકના સંપાદકને પૂછો.

જો તમારે એક કલાકની કિંમત સમજાવી હોય તો,

પ્રિયજનની રાહ જોઈ રહેલ વ્યક્તિને પૂછો.

જો તમારે એક મિનિટની કિંમત સમજાવી હોય તો,

ટ્રેન ચુકી ગયેલ વ્યક્તિને પૂછો.

જો તમારે એક સેકન્ડની કિંમત સમજાવી હોય તો,

અકસ્માત થતા રહી ગયો હોય તેવી વ્યક્તિને પૂછો.

જો તમારે મિલિ સેકન્ડની કિંમત સમજાવી હોય તો,

ઓલમ્પિકમાં બીજા નંબરે આવેલ રમતવીરને પૂછો.

By :- Shahid Y. Patel
(Civil Engg. Dept.)

'Any Way' નો અનુવાદ 'Any Way' છતાં

૧. લોકો ભલે તર્કહીન હોય, સ્વાર્થી હોય, ...
છતાં પણ તેમને પ્રેમ કરતાં જ રહો.
૨. જો તમે કોઈ સારું કામ કરશો તો લોકો તમારે માથે કોઈ છુપા અને સ્વાર્થી હેતુનો આરોપ મુકશે,
છતાં પણ તમે સારા કામ કરતાં જ રહો.
૩. જો તમે સફળ બનશો, તો તમને મિત્રો બનાવટી બનશે અને શત્રુઓ સાચાં,
છતાં પણ તમે સફળતા મેળવતાં જ રહો.
૪. આજે તમે સારું કામ કરશો, તે કદાચ કાલે ભુલાઈ જશે, ...
છતાં પણ તમે સારા કામ કરતાં જ રહો.
૫. પ્રમાણિક અને સ્પષ્ટવક્તા બનવાથી તમને મુશ્કેલી પડી શકે, ...
છતાં પણ પ્રમાણિક અને સ્પષ્ટવક્તા જ બનો.
૬. લોકો કહે તો છે કે કચડાચેલાની તેમને ચિંતા છે, પણ હકીકત તો તેઓ માત્ર ઊગતા સૂર્યને પ્રભાવશાળીને જ પૂજે છે, ...
છતાં પણ કોઈને કોઈ કચડાચેલાઓની ચિંતા કરતાં જ રહો.
૭. તમને એક રચનાત્મક કામ સાકાર કરવામાં વર્ષો લાગે, એનો નાશ એક જ રાતમાં થાય, ...
છતાં પણ એ કાર્ય કરે જ જાઓ...
૮. વિશ્વને તમારું શ્રેષ્ઠ અર્પણ કરો અને મોં પર લાત ખાવ, ...
છતાં પણ વિશ્વને તમારું શ્રેષ્ઠ જ અર્પણ કરતાં રહો.

જીવનને ધન્ય કરે તે શિક્ષક, પથ્થરને પારસ કરે તે શિક્ષક

પુસ્તકપોથી સાથે રાખી, વાતો કરે વિચારોની
હાથ, હૈયું ને મસ્તક, શ્રેયને ઠાલવે તે શિક્ષક.

વર્ગને સ્વર્ગ સમું રાખી, તથ્ય માટે તે તર્ક કરે,
કલમ, કાગળ ને કર્મ, શ્રેયને તારવે તે શિક્ષક.

ભાવનાઓને સાથે રાખી, સમયનો તે સાદ કરે,
સુંદરતા, સંયમતા અને સમજને, સાથે રાખે તે શિક્ષક.

આધુનિકીકરણને ઓથે રાખી, સંસ્કારના તે પાઠ કરે,
સત્ય, સંસ્કૃતિ અને સમાજને, ઘડે તે શિક્ષક.

કેળવણીને સાથે કરી, કૌશલ્યોને કાયમ કરે,
ધર્મ, ધીરજ અને ધૈર્યને, લાવે તે શિક્ષક.

શબ્દ સાથે રમી, આનંદને ઉજાગર કરે,
મનની શાંતિ સાથે, જીવનને ધન્ય કરે તે શિક્ષક.

By :- Shahid Y. Patel
(Civil Engg. Dept.)

છતાં પણ કર્યે જ જાઓ

તમને એક રચનાત્મક કામ સાકાર કરવામાં વર્ષો લાગે,
એનો નાશ એક જ રાતમાં થાય,
છતાં પણ તે કાર્ય કર્યે જ જાઓ.
લોકો ભલે તર્કહીન હોય, સ્વાર્થી હોય,
છતાં પણ તેમને પ્રેમ કરતા જ રહો.
આજે તમે જે સારું કામ કરશો, તે કદાચ કાલે ભુલાઈ જશે,
છતાં પણ સારાં કામ કર્યે જ જાઓ.
જો તમે કોઈ સારું કામ કરશો, તો લોકો તમારે માથે કોઈ
છુપો અને સ્વાર્થી હેતુનો આરોપ મુકશે,
છતાં પણ તમે સારાં કામ કરતા જ રહો.
પ્રમાણિક અને સ્પષ્ટવક્તા બનવાથી તમને મુશ્કેલી પડી શકે !
છતાં પણ પ્રમાણિક અને સ્પષ્ટવક્તા જ બનો.
વિશ્વને તમારું શ્રેષ્ઠ અર્પણ કરો અને મોં પર લાત ખાવ,
છતાં પણ વિશ્વને તમારું શ્રેષ્ઠ જ અર્પણ કરતા રહો.
મહાન વિચારો ધરાવતા મહાન માણસોને પણ નાનામાં નાનું મગજ
ધરાવતા નાનામાં નાના માણસો નષ્ટ કરી શકે છે,
છતાં પણ તમે મહાન વિચારો કરતા જ રહો.
જે નવું છે તે નવું પણ હોય, નવા સ્વરૂપમાં જૂનું પણ હોય,
છતાં પણ નવા નવા પ્રયોગો ચાલુ જ રાખો.
લોકો કહે તો છે કે કચડાયેલાઓની તેમને ચિંતા છે, પણ
હકીકતે તો તેઓ પણ માત્ર પ્રભાવશાળીને જ પૂજે છે,
છતાં પણ કોઈને કોઈ કચડાયેલાઓની ચિંતા કરતા જ રહો.
મહાન વિચારો હંમેશા મહાન વાસ્તવિકતામાં ન પણ પલટાય,
છતાં પણ પ્રયત્ન કરતાં જ રહો.
જો તમે સફળ બનશો, તો તમને મિત્રો બનાવટી મળશે અને શત્રુઓ સાચા
છતાં પણ તમે સફળતા મેળવતા જ રહો.

By :- Ms. Divya A. Dave
(Civil Engg. Dept.)

Three Things to Remember in life

Three things to respect.	Time, Health and Wealth
Old Age, Religion and Law	Three things to Avoid
Three things to love	Drinking, Smoking and Gambling
Honesty, Purity and Truth.	Three things to stick to
Three things to Watch.	promise, Friendship and love

Mukesh J. Parmar
Lecturer in Civil Engg. Dept.

આ બધું અઘરું છે પણ.....

લોકો શંકા કરતા હોય,
ત્યારે વિશ્વાસ રાખવો.
લોકો સ્વપ્નમય હોય,
ત્યારે કાર્યરત રહેવું.
લોકો ઉપેક્ષા કરતા હોય,
ત્યારે સંભાળ લેવી.
લોકો છીનવી લેતા હોય,
ત્યારે વહેંચવું.

લોકો દોષારોપણ કરતા હોય,
ત્યારે માફી બદાવી.
લોકો ફરિયાદ કરતા હોય,
ત્યારે હસતા રહેવું.
લોકો ટીકા કરતા હોય,
ત્યારે પ્રશંસા કરવી.
લોકો વિધ્વંસ કરતા હોય,
ત્યારે સર્જન કરવું.

લોકો અવદવમાં હોય,
ત્યારે સાહસ ખેડવું.
લોકો માંગણી કરતા હોય,
ત્યારે સેવારત રહેવું.
લોકો અધૂરું છોડી દેતા હોય,
ત્યારે વળગી રહેવું.

આ બધું અઘરું છે..... પણ ફળદાયી છે.

શબ્દનો મહિમા

એક અવિચારી શબ્દ સંઘર્ષ નોતરી શકે છે.

એક કૂર શબ્દ કોઈનું જીવન હરી શકે છે.

એક નિર્દય શબ્દ કોઈને હાનિ કરી શકે છે.

એક માયાળુ શબ્દ કોઈનું હૈયું ઠારી શકે છે.

એક પ્રોત્સાહક શબ્દ કોઈના દિવસ સુધારી શકે છે.

એક સમયસરનો શબ્દ કોઈનું દુઃખ હરી શકે છે.

એક પ્રેરણામય શબ્દ આપી શકે આપાર શાંતિ

By :- Ms. Patel Jahanvi
(2nd Sem Civil Engg. Dept.)

વિદાય

ન પડી ખબર સમયરેત
સરકી ગઈ ક્યારે,
એ રેત માંથી સંસ્મરણોને ટૂંકવાનો શો ફાયદો ?
ન થઈ જાણ અમૂલ્ય પળો
ઓસરી ગઈ ક્યારે,
એ પળોની ગરિમાને પુનઃ યાદ, કરવાનો શો ફાયદો ?
ન હતો ખ્યાલ વિદાય નો, રજ માત્ર પણ,
જ્યારે વર્ષો વિતાવ્યા તમોએ આ કોલેજમાં
એજ ભૂતકાળ ના સંબંધોને ફરી વાગોળવાનો શો ફાયદો ?
અને છતાં, જાણે અજાણે,
એજ સંસ્મરણો હૈયે અથડાય છે.
વસમી છે વિદાય પણ એ જીતવથી જ રાહી,
અ રીતને પામવા ભવિષ્યની આશાઓને ઠુકરાવવાનો શો ફાયદો ?

Mukesh J. Parmar
Lecturer in Civil Engg. Dept.

Top 10 Reasons why to Choose Engineering

Reason 1 :- Money

This is always one of the top reasons to study anything. It's important to know that engineers are among the top paid professions world wide. It's well known that if you want money, engineering is one of the best ways to go. And since money is so important in our world, especially in these economic times, this is one factor you should be considering carefully.

Reason 2 :- Prestige

Along with doctors and lawyers, engineers are professionals who have a lot of prestige. wouldn't your mother be proud to tell all her relatives and friends that her son or daughter is an engineer? You'll again a desired job image, and join a profession that support's national and global competitiveness, security and rising living standards. Being an engineer just makes you look great.

Reason 3 :- Professionalism

Engineering programs worldwide are among the top, most advance educational programs. Study with top of the line technology, receive great scoop placements and training and join a profession like no other. While working, you benefit from not only competitive wages and prestige being a member of an engineering society will give you access to information and technology that will help you do your work better and enjoy life. Engineering is a professional choice.

Reason 4 :- Flexibility and Choice

These days everybody's looking for choice. Engineering offers so many choices you can have a hard time deciding on which one fits you from electrical and mechanical to computer science or Civil, the various areas of engineering are all exciting and in high demand. Engineering degrees open up a road to flexible education you can continue to earn an MBA and move into other great careers. Engineering is a great choice that opens up many paths for the future.

Reason 5 :- Intellectual Development

Engineering will help you grow and develop your ways of thinking. Becoming an engineer will force you to work on many transferable skills including problem solving and critical reasoning. In addition you study a large variety of topics in school, including engineering courses but also sciences and even some arts and languages. knowing more and having more useful skills will develop you as a person.

Reason 6 :- Entrepreneurship

Nobody wants to be a little bolt in a big corporate machine. studying engineering provides you with the knowledge and skills to open up your own business and become your own boss. Engineering training exposes you to businesses and gets you more familiar with things like finance and marketing, which is important for business purposes and transferable skills will help you run your own company. Having technical knowledge will allow you to make a product and centre a business around it.

Reason 7 :- Challenge

Everyone like a good challenge, since life would be boring otherwise. Engineering is a challenge. Throughout both your studies and your later career, you will be faced with problems which will require your creativity and logical analysis skills. Real world problems will be open ended with no wrong or right answer it be up to you to find a solution and stand up to it, convincing others it's right. The engineering challenge is something to look forward to.

Reason 8 :- Creativity

Most jobs don't allow you to be creative. Engineering on the other hand, lets you exercise your judgment however you want. you need to be creative to come up with solutions to fascinating problems, and you be able to use both concrete knowledge and your own thoughts and views when coming up with a successful original design or development. Engineering is the art of science.

Reason 9 :- Discovery

An engineering education will help you discover how the world work. you may be dealing with recent issues such as electric cars, alternative energy sources, nuclear reactors and more. you may end up seeking for answers on how to solve world hunger or what kinds of technology cause cancer. Engineering is interconnected with science and research, and it will allow you to learn and discover a world of knowledge.

Reason 10 :- Society Needs you

If you're smart, you have a responsibility to society. Don't waste your brain power-become an engineer. From the early days of dawn engineers have worked to benefit society-developing everything from necessary forms of safety and security measures and transportation mechanisms, to devices and technologies that enrich life and make it better and more comfortable for everyone. New engineering trends may help solve issues like diseases, hunger, energy, and pollution problems. Make a difference help us engineer a better tomorrow.

By :- Priya Chauhan
(2nd Sem Civil Department)

Student Life is Golden Life

Nobody wants to be a little bolt in a big corporate machine. studying engineering provides you with the knowledge and skills to open up your own business and become your own boss. Engineering training exposes you to businesses and gets you more familiar with things like finance and marketing, which is important for business purposes and transferable skills will help you run your own company. Having technical knowledge will allow you to make a product and centre a business around it.

It is said that student life is golden life because student life is the most important part of human life. It is the period of pure joy of happiness, because the mind of a student is free from cares & worries of a grown-up life.

In this period the character of man is built so, it is called the formative period of human life every. Student should try his best to make the best use of his student life.

The primary duty of a student is to Learn & to acquire knowledge. He must do all his work at the right moment & maintain punctuality & discipline. He must remember that if a student becomes successful in his student career & his Character is built on sound basis he will be able to shine in any sphere of life & serve his society & countries.

Students are the future hope of country so every student should try to be that he may serve his country as far as he can.

Meaning of Life

I believe the meaning of life is to give life a meaning. Throughout my entire life. I have wondered what the purpose is why am I & every other human being even on this planet in the first place ?

That brings me to my next questions. Is there a God ? If there is why did he put us here ? Any Christian asked will say our sole purpose is to serve God. First of all what does that even mean ? And second. I must ask why ? why would a supernatural being place us strategically on this planet strictly to serve him, That sounds pretty selfish to me. There has to be something more something concrete. Something greater How could there not be ?

All my life I have worked hard to succeed. I have challenged myself and fought to do better than my best. Why ? I asked myself why stress so much when I'm only going to die in the end ?

By :- Harshna Vasava
(6th Sem Civil Engg. Dept.)

Having a best friend

A story tells that two friends were walking through the desert. During some point of the journey they had an argument, and one friend slapped the other one in the face.

The one who got slapped was hurt, but without saying anything, wrote in the sand "Today my best friend. Slapped me in the face."

They kept on walking until they found an oasis, where they decided to take a bath. The one who had been slapped got stuck in the mire and started drowning but the friend saved him. After he recovered from the near drowning, he wrote on a stone "Today my best friend saved my life".

The friend who had slapped and saved his best friend asked him, "After I hurt you, you wrote in the sand and now, you write on a stone why? The other friend replied "When someone hurts us we should write it down in sand where winds of forgiveness can erase it away."

But when someone does something good for us, we must engrave it in stone where no wind can ever erase it"

Moral : Do not value the things you have in your life. But value who you have in your life.

By :- Komal K. Parmar

College Life

Woh college ke din....

Kuch baate bhuli hai,

Kuch Pal beete hue,

Har galti ka ek naya bahana,

aur fir sabki nazar me aana,

Exam ki puri raat Jagna,

Fir bhi sawal dekhke sar khujana,

Mauka mile to class me bankarna,

Fir doston k sath canteen jana USKI

ek jhalak dekhne roj college jana,

usko dekhte dekhte attendance bhul jana,

Har pal hai naya sapna,

aaj jo tute fir bhi hai apna,

Ye college ke din,

In lamho me jindagi jee bhar ke jeena

laad karke in palon ko,

Fir jindagi bhar muskurana

Modi Ayushi A.
(6th Sem Civil Engg. Dept.)

Interview questions & their best possible answers.

1. Why should we select you ?

If you select me, it will be a great platform to showcase my skills. whatever goals I set, I ensure to complete them within stipulated time.

2. Reason behind leaving your last job ?

In order to enhance my skill set, I am looking for better opportunities.

3. Why have you been unemployed for a such a long time ?

I enrolled myself for some advanced personality development course with some freelance work.

4. Tell me your ability to work under pressure ?

I keep myself calm & focus on multi tasking while being patient.

5. Describe your management style ?

I will be constantly keeping tab of assigned work with my subordinates & seniors, finishing the assigned job before deadlines.

6. Are you a team player ?

Yes, The team which I was a part of have successfully completed the projects within deadline

7. What irritates you about co workers ?

I believe in team-work. Even if I find anything irritating, I try to avoid it unless it personally offends me.

8. How long would you expect to work for us if selected ?

As long as I feel challenged professionally.

9. How do you see yourself 5 years from now ?

I see myself in a senior position managing important portfolio of this company.

10. Do you consider yourself successful ?

Yes, apart from appraisals I think I have earned a bunch of good colleagues in my life.

11. What is your weakness ?

I concentrate on one thing at a time.

12. What is your strength ?

I am a quick learner & a great team player.

13. What position do you prefer on a team working on a project ?

It doesn't matter till I learn something new in every project

14. Do you have any questions for us ? when can I join ?

S.A. Kapadia
(Mechanical Dept.)

What We Can Do To Get Happier

We see nothing strange in the study of unhappiness for the past two decades or so brain researchers have become increasingly knowledgeable about the origins of anger, fear & depression.

We are now beginning to answer questions that people have always asked themselves.

Is happiness more than simply the opposite of unhappiness ?

Is it genetic ?

Does the feeling of anger pass if you vent it ?

Is it possible to prolong the good moments ?

Does money make people happy ?

What is the greatest happiness ?

Central to answering these questions are two fairly recent insights of brain research one concerns the part of the brain that produce a sense of well being our brain has a special circuitry for joy, pleasure & emotion - We have happiness systems. Just as we come into the world with a capacity for speech, we are also programmed for positive feelings. This discovery will shape our understanding of mankind.

The other, still more surprising discovery is that the adult brain continues to change with a few years ago scientists believed that the brain, like bones, was fully grown by the end of puberty. But exactly the opposite is true the arches in our brain we altered whenever we learn something, and now connections are forged in our network of nerve cells.

These changes are triggered by thoughts, but even more by emotions. This means that with the right exercises we can increase our capacity for happiness. Much as we can learn a foreign language, we can train our natural aptitude for positive feelings.

Our happiness depends at least as much on our environment & our culture as on our genes, which is why we need to consider not only the brain as a source of happiness but also the cultural influences & the daily occurrences that set these processes in motion.

Unhappiness depletes the body happiness strengthens it persistent fear endangers one's health because they cause stress. And stress increases the risk of dying of heart attack or stroke. By contrast, someone who has learnt to contain his dark moods & to fortify his sunny ones is also taking care of his body. Positive feelings counteract stress & its consequences for health. They even stimulate the immune system.

They increase mental productivity even more. In terms of the brain, thoughts & feelings are two sides of the same coin happy people are more creative & as many studies show, they solve problems better & more quickly happy people make people smart, and not just momentarily, but permanently. Positive feelings stimulate growth in the nerve connections in the brain happiness & new mental associations go together finally, happy people are also nicer people. They are more aware & more likely to see the good in others. They are more successful mediators in resolving conflict.

Negative moods limit people, whereas positive feelings expand options. happiness brings vitality.

(from the book, The science of happiness - speaking Tiger publishing Pvt. Ltd.)

20 INTERESTING FACTS OF INDIA THAT YOU HAD NO IDEA ABOUT

"India is, the cradle of the human race, the birthplace of human speech, the mother of history, the grandmother of legend, and the great grandmother of tradition. Our most valuable and most instructive materials in the history of man are treasured up in India only.'These are not our words. These are the words of the great Mark Twain. And here are 20 Indians facts to support his statement:.

1. A floating post office

India has the largest postal network in the world with over 1, 55,015 post offices. A single post office on an average serves a population of 7,175 people. The floating post office in Dal Lake, Srinagar, was inaugurated in August 2011

2. Kumbh Mela gathering visible from space:

The 2011 Kumbh Mela was the largest gathering of people with over 75 million pilgrims. The gathering was so huge that the crowd was visible from space

3. The wettest inhabited place in the world

Mawsynram, a village on the Khasi Hills, Meghalaya, receives the highest recorded average rainfall in the world. Cherrapunji, also a part of Meghalaya, holds the record for the most rainfall in the calendar year of 1861.

4. Bandra Worli Sealink has steel wires equal to the earth's circumference

It took a total of 2,57,00,000 man hours for completion and also weighs as much as 50,000 African elephants. A true engineering and architectural marvel.

5. The highest cricket ground in the world

At an altitude of 2,444 meters, the Chail Cricket Ground in Chail, Himachal Pradesh, is the highest in the world. It was built in 1893 and is a part of the Chail Military School.

6. The Indian national Kabaddi team has won all World Cups

India has won all 5 men's Kabaddi World Cups held till now and have been undefeated throughout these tournaments. The Indian women's team has also won all Kabaddi World Cups held till date.

7. Water on the moon was discovered by India

In September 2009, India's ISRO Chandrayaan-1 using its Moon Mineralogy Mapper detected water on the moon for the first time.

8. Science day in Switzerland is dedicated to Ex-Indian President, APJ Abdul Kalam

The father of India's missile programme had visited Switzerland back in 2006. Upon his arrival, Switzerland declared May 26th as Science Day.

9. India's first President only took 50% of his salary

When Dr Rajendra Prasad was appointed the President of India, he only took 50% of his salary, claiming he did not require more than that. Towards the end of his 12-year tenure he only took 25% of his salary. The salary of the President was Rs. 10,000 back then.

10. India has a spa just for elephants

Elephants receive baths, massages and even food at the Punnathoor Cotta Elephant Yard Rejuvenation Centre in Kerala. Now that's a BIG step for the country.

11. India is the world's second-largest English speaking country

India is second only to the USA when it comes to speaking English with around 125 million people speaking the language, which is only 10% of our population. This is expected to grow by quite a margin in the coming years.

12. The world's largest producer of milk

India recently overtook the European Union with production reaching over 132.4m tonnes in 2014.

13. The human calculator

Shakuntla Devi was given this title after she demonstrated the calculation of two 13 digit numbers: $7,686,369,774,870 \times 2,465,099,745,779$ which were picked at random. She answered correctly within 28 seconds.

14. Rabindranath Tagore also wrote the national anthem for Bangladesh

Rabindranath Tagore is credited not only for writing the Indian national anthem, Jana Gana Mana, but the Bangladeshi national anthem, Amar Sonar Bang/a, as well. He was also offered knighthood by the British but refused the honour after the Jalianwala Bagh massacre.

15. Dhyan Chand was offered German citizenship

After defeating Germany 8-1 in the 1936 Berlin Olympics, Major Dhyan Chand, the wizard of hockey, was summoned by Hitler. He was promised German citizenship, a high post in the German military and the chance to play for the German national side. Dhyan Chand however declined the offer.

16. Freddie Mercury and Ben Kingsley are both of Indian descent

Freddie Mercury, the legendary singer of the rock band 'Queen' was born a Parsi with the name Farrokh Bulsara while the famous Oscar winning Hollywood star Ben Kingsley was born Krishna Pandit Bhanji.

17. Astronaut Rakesh Sharma said India looks saare jahaan se achcha from space

Former Prime Minister Indira Gandhi asked the first Indian in space, Rakesh Sharma, about how India looked from space. His response was our famous patriotic song, "Saare Jahaan Se Achcha."

18. Havell's is purely an Indian brand & named after its first ownere

Though the company was bought for just 10 lakh Rupees a long time ago and is now a multi-billion electrical goods company, it's an Indian company and is still named after its original owner, Haveli Ram Gupta.

19. A special polling station is set up for a lone voter in the middle of Gir Forest

Mahant Bharatdas Darshandas has been voting since 2004 and during every election since then, a special polling booth is set up exclusively for him as he is the only voter from Banej in Gir forest.

20. Snakes and Ladders originated in India

Earlier known as Moksha Patamu, the game was initially invented as a moral lesson about/carma to be taught to children. It was later commercialized and has become one of the most popular board games in the world.

Mittal Borasiya

Lecturer Electrical Engg. Dept.

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