

RaigadDnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal. Bhor, Dist. Pune -412205 (MS), India. Website: www.raigad.odo.in, Email Id: sexcoetingmail.com

Criterion 2: Teaching Learning & Evaluation

2.3 Teaching and Learning Process-

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing leaning experiences

Sr. No	Sample Documentary Evidences
	EXPERIENTIAL LEARNING
	1.1 Continuous Evaluation of Students for Lab-Sample
01	1.2 Industrial Visits or Site Visits
	1.3 Internship of Students in Companies
	1.4 MOU with Institute/ Industries
	PARTICIPATIVE LEARNING
	2.1 Student Participation in Competitions like Project and Paper Presentation.
	2.2 Workshops for Encouraging Students
02	2.3 Group Discussions to Promote Communication Skills
	2.4 Seminar/Webinar/Guest Lecture to Build Students Confidence
	2.5 Technical Quiz Learning
	2.6 Student Participation in Conference
03	PROBLEM SOLVING LEARNING
	3.1 Industry Sponsored Projects
	3.2 Model Making by Student
	3.3 Mini Projects



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Prof. Dr. S. B.Patil

Principal Regai Expansion's Dri Chatropa Environce College of Engl. Dhangawadi, Pane 412206



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Shri Chhatrapati Shivajiraje College of Engineering, Dhangwadi, Pune.

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Shri Chhatrapati Shivajiraje College of Engineering, Dhangwadi, Pune. Rajgad Dayanpeeth's

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Head of Department

Head of Department Dept. of Mechanical Engineering Marks for Understanding (3) Shri Chh. SHING: Good Device Edited Dhangawad, Pune-412206

PROGRESSIVE PRACTICAL INTERNAL CONTINUOUS ASSESSMENT RECORD SHEET

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Head of Department Head of Department Dept. of Mechanical Engineering (Shell Chi, Shriphone Road and Engineering Dhangawad, Puse-412206

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PROGRESSIVE PRACTICAL INTERNAL CONTINUOUS ASSESSMENT RECORD SHEET

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MR : Marks for regularity (03)

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DTE 632 SPPU.457

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Head of Department Head of Department Head of Department Bept of Mechanical Engineering She Chi. Shiraging College of Enge MU : Marks for Understanding (3) Dhanguelod, Pant-Marke(10)

PROGRESSIVE PRACTICAL INTERNAL CONTINUOUS ASSESSMENT RECORD SHEET

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Name & Sign of Subject Incharge

MP : Marks for Performanance (4)

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Marks for Understanding (3) Stri Chh. Shanitrate College of Engl. Dhanganide, Panel 417244 (10)

Head of Department Head of Department Dept. of Mechanical Engineering

PROGRESSIVE PRACTICAL INTERNAL CONTINUOUS ASSESSMENT RECORD SHEET

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1.2 Industrial Visit Or Site Visits

Raigad Duyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pane Bangalore Highway, Dhangawadi, Tal - Bhor, Dist-Pune (Maharashtra)

Criterion 2 - Teaching Learning & Evaluation

Key Indicator - 2.3.1 Teaching and Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Sr.No	Name of the industry / Company Research Institute / Partnering Institution	Date of Visit	Number of Students Participated	Name of the Department
1	Site Visit at Metrological Station, Kenjal	07/12/2021	40	CIVIL
2	Site Visit at Waste Water Treatment Plant, Kenjal	07/12/2021	40	CIVIL.
3	Site Visit at Earthen Gunjawani Dam, Gunjawani, Tal-Velvhe, Dist-Pune	12/04/2022	50	CIVIL.
4.	Site visit at Gunjawani Hydropower Plant, Gunjawani, Tal-Velvhe, Dist-Pune	12/04/2022	50	CIVIL
5.	Site visit at Thermal fecal słudge treatment Plant, Wai Tałuka - Wai, Dist-Satara	13/05/2022	55	CIVIL
6	Site Visit at Material Recovery Facilities Center, Wai Taluka -Wai, Dist-Satara	13/05/2022	.55	CIVIL

INDUSTRIAL VISITS DETAILS A.Y 2021-22



7	Site Visit at Khambataki Tunnel, Khandala, Taluka Khandala, Dist-Satara	04/04/2022	45	CIVIL
8	Rajgad Sahakari Sakhar Karkhana Ltd. Ananatanagar Nigade	17/12/2021	68	Mechanical
9	Pune Alternate Fuel Exhibition arranged at Sinchan Bhawan, Ground Agriculture College, Shivajinagar, Pune	05/04/2022	45	Mechanical
10	Hydro Electric Power Station, Dhom	19/05/2022	55	Mechanical
11	QualEx Systems Pvt. Ltd., Pune.	01/03/2022	62	Computer
12	VCB Electronics Pvt. Ltd	22/02/2022	70	E&TC
13	CEM Electromech Pvt. Ltd.	28/04/2022	61	E&TC
14	TE Connectivity India Pvt Ltd	17/05/2022	45	E&TC



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Prof. Dr. S. B.Patil Principal Raigad Dayanpeeth Technical Canous Shri Chhatrapati Shivajiraje College of Engineering Dhangawadi, Bhor, Pune- 412 205



RajgadDnyanpeeth's SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune -412205 (MS), India. Website: www.rajgad.edu in, Email Id: <u>sescoeid.gmail.com</u>

DEPARTMENT OF CIVIL ENGINEERING

Date:-01/04/2022

NOTICE

We are organizing an Industrial Visit for Final year students of Civil Engineering department at Khambatki Tunnel, Tal-Khandala, Dist-Satara on 04th April 2022, Monday.

There will be no classes for those students who will attend the visit on that day. Students are required to be in formal and carry their Identity card.

Following faculty members will accompany the students on Industrial visit:

- 1. Dr. S. S. Sayyed
- 2. Prof. S. S. Jadhav

Prof. S. S. Jadhav

Subject Coordinator

Dr. S. S. Sayved **Head of Department** Dept. of Content Invineering Dept. of Engl Dri Chh. Shiv. Dhangawara, Fune+12206



Rajgad Dayanpeeth's



Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra and Affiliated to Savitribai Phule Pune University, Pune (ID. PU/PN/Engg./376/2009), DTE CODE: EN6324, AISHE CODE : C-41588

Anantrao Thopte	Sangram Thopte	Dr. Bhngynshri Patil Han. Secretary	Dr. S. B. Patil Principal
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RD/SCSCOE/CIVIL/VISIT/2021-22/31

Date: 28/03/2022

To, The Project Director, NHAI PIU, Pune Warje, 411058 Maharashtra.

Subject: Permission to Visit Ongoing Construction Site of Twin Tunnels at Khambatki Ghat.

Respected Sir,

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Our Rajgad Dnyanpeeth's, Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi (Bhor) is affiliated to Savitribai Phule Pune University. Throughout the academic year we are arranging various co-curricular and extra -curricular activities for the students and staff to motivate the young talents in Engineering and Technology who are pillar of future India. It is our sincere request to you please permit us to visit ongoing construction site of twin tunnels at Khambatki Ghat Section.

This visit will enhance the skill of students to encourage the creative thinking process to help them to get confidence about the actual field work. On the behalf of Shri Chhatrapati Shivajiraje College of Engg. Dhangawadi, I assure that our students will maintain discipline and follow all safety protocols and rules regulations during the visit.

Details about number of students & tentative dates are as follows,

· Name of Faculty: Asst. Prof. Shital. P. Salunkhe

(Contact No-9860171442, Mail id-shitalpsalunkhe@gmail.com)

- No of Students: 61
- No of Faculty members: 05
- Tentative Date: 04-04-2022, Friday

Kindly do the needful. Thanking you.

Dr. S. S. Sayved Head Hoppartment Dept. of Civ" Englneering

Shri Chin. Shivajiraje College of Engg. Dhangawadi, Pune-412206



Prof. Dr. S. B. Patil **Raigad Dayanpeeth's** Shri Chhatrapati Shivajiraje College of Engg., Dhangawadi, Pune-412206

Gat No. 237, Pune Bangalore Iligh-way, Dhangawadi, Tal. Bhor, Dist, - Pune, Pin - 412206, (M.S.), India Telefax. : 02113-282456 / 556 / 656 Email : scscoe@gmail.com / principal@rajgad.edu.in Website : www.rajgad.org.in

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सडक परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

(Ministry of Road Transport & Highways, Govt. of India.) Project implementation Unit, Pune. ==))

Project implementation Onit, Fune. स.नं. १३४/१, बायफ भवन कॅम्पस, डॉ. मणीभाई देसाई नगर, वारजे, पुणे - ४११ ०५८. महाराष्ट्र राज्य. S.No. 134/1, BAIF Bhawan Campus, Dr. Manibhai Desai Nagar, Warje Pune - 411 058. Maharashtra State. दरभाष/Tel.: 020 29706884 / 85 / 81 Email: pune@nhal.org

NHAI/PIU/PUNE/New KT/2022/11 02

29.03.2022

To, Prof. Dr. S. B. Patil, Principal, Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineer, Dhangawadi, Pune - 412 206.

RU'S SUSCOE Inwaro Nu. Joh Date: \$ 66 2021

Sub.: Construction of new six lane tunnel at Khambataki Ghat section of NH-4 and its approaches from Existing Km 771.730 to existing Km 782.000 in the state Maharashtra - Permission for technical site visit at Khambataki Tunnel Work - Reg.

Ref.:

1. Your office letter No. 311 dated 28.03.2022.

Sir,

- 1. Please refer your office letter regarding above mentioned subject.
- 2. It is to inform you that, necessary directions are given to Contractor & Authority Engineer of the Project regarding your site visit, scheduled on 04th April.
- You are requested to follow all safety norms at site as directed by Contractor. Your safety is solely your responsibility. Wearing of helmet and safety jacket is compulsory at site. Neither NHAI nor Contractor will be responsible for any mishappening at site.
- 4. Based on above conditions, permission is granted for technical site visit.
- 5. This letter is issued with the approval of Project Director.

How Cim & Suy

Yours sincerely,

(Abhijeet Aute) Dy. Manager (Tech)

Encl.: As above

Copy to:

- M/s Gayatri Projects Ltd Crescent EPC Projects & Technical Services Pvt. Ltd. (JV) provide all necessary information & guidance as desired by visitors.
- 2. M/s. Segmental Consulting and infrastructure Advisory Pvt.Ltd.in JV with SOWIL Ltd - for information and necessary action.

3. Master file.

प्रधान कार्यालय : जी 5 एवं 6, सेक्टर 10, द्वारका, नई दिल्ली- 110 075 दूरभाषः 2507 4100 / 2507 4200 फैक्स: 011 - 2509 2507 / 2509 3514 वेबसाईट:http://www.nhai.org

Head Office: No. G5 & 6, Sector 10, Dwarka, New Delhi - 110 075. Tel. No.: 011 - 2507 4100 / 2507 4200 Fax No. 011 - 2509 2507 / 2509 3514 Web Site : http://www.nhai.org

Rajgad Dnyanpeeth's RAJGAD DNYANPEETH TECHNICAL CAMPUS Shri Chhatrapati Shivajiraje College of Engineering

(S. No. 237, Dhangawadi, Tal- Bhor, Dist- Pune - 412206)

REF: - RD/SCSCOE/CIVIL/ 2021-22/

Date: - 31/03/2022

To, The Estate Manager, RDTC, SCSCOE, Dhangawadi

Subject: - About requirement of bus facility for academic visit.

Respected Sir,

As per Curriculum of Savitribai Phule University of Pune, we have technical visit for S.E/T.E./B.E. Civil Engineering Students regarding the Transportation Engineering subject. We have decided to visit ongoing construction site of Khambatki Tunel, Khandala, Taluka-Khandala. In this context we need bus facility on 4st April 2022 at 10.00 am from our College Campus.

Kindly do the needful

Thanking You.

Subject Teacher



Yours Faithfully

H. O. D.

(Dept. Of Civil Engineering) Hendian Dept. of Civil Engineering

Shri Chh. Shivajireje Cellege 67 -Dhangawadi, Pung-412200



SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Rajgad Dnyanpeeth's

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal - Bhor, Dist- Pune (Maharashtra)

Dept.: Civil Engineering

SITE VISIT REPORT

Academic Year: 2021-22

Date: - 05/04/2022

- 1) Class: B.E Civil
- 2) Subject: Construction Management
- 3) Name of Site: Khambatki Tunnel, Velu , Taluka-Khandala, Dist-Satara
- 4) Date & Time: Monday, 01.04.2022 & 11.00 am To 2.30 pm
- 5) Present Students: 50/02
- 6) Contact Person with Designation: Mr. Abhijeet Aute (Dy. Manager (Tech))
- 7) Name of Faculty: Prof. S. S. Jadhav & Dr. S. S.Sayyed

As a part of academic curriculum, we visited the above site. We observed & studied the following things.

Content of studies:

- i. Study of Concept of Tunnel, components of Tunnel and its design
- ii. Study of Equipment & method used for tunnel construction
- iii. Study of Tunnel project details

The basic need of a project to provide ease out traffic congestion especially in Ghat Section & Old tunnel. And also reduce travel time. The main objective of the construction of tunnel and widening of the existing 4 laning road into six lanes is to improve the performance of the national road transport network. Apart from connectivity considerations, the corridor has been perceived to be important from the perspective of development in Satara district in general and Khambatki region in particular.

- Type- Transportation Tunnel
- Lane- 06
- Impounds- Khambataki Ghat Section of NH-4
- Length- 1148 m
- Diameter- 18m



Photos:-



Photo . Geological Information



Photo :Site photo

NINABrajo (

Civil Engg. Deptt.



Photo : Precaste Girder Member







Photo : Tunnel Construction Equipment



Photo : With Project Team Member

Prof. S. S. Jadhav Faculty In-charge



4

Dr. S. S. Sayyed Head of Department Dept. of Civil Engineering Shri Chh. Shivajiraje College of Engg. Dhangawadi, Pune-412206

RajgadDnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune -412205 (MS), India. Website: www.rajgad.edu.in, Email Id: sescoe@gmail.com

DEPARTMENT OF CIVIL ENGINEERING

Date: -04/04/2022

tudents Enrolled for Industrial visit 21.27

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Total Strength of Student:

Ciud Engg. Deptt. Rajgad Dnyanpeeth's

Shri Chhatrapati Shivajiraje College of Engineering

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra & DTE. Mumbai, and Affilliated to Savitribai Phule Pune University, Pune (ID. PU/PN/Engg./376/2009), DTE CODE : EN3624,



Anantrao Thopte	Sangram Thopte	Sau. Swarupa S.Thopte	Dr. S. B. Patil
	MLA, Executive President	Hon. Secretary	Principal
counder recommendation		Date: - 0	4/04/2022

RD/SCSCOE/CIVIL/VISIT/2021-22/

To. Managing Director, Gayatri Projects Ltd., Hyderabad.

Subject:-Letter of Gratitude.

Respected sir,

It gives us immense pleasure in thanking you for allowing an educational visit to Tunnel Construction Project, Khambataki Ghat dated on 04" April 2022.

It was a great learning experience for our students, a detailed briefing given by staff is worth appreciation.

Thank you once again for your support and I hope that we will continue to receive your cooperation future.

Thanking You



Yours faithfully Head of Department DDT. S. S. Savred Shri Chh. Shivajiraje College of Engg Ohangawadi, Pune-412205



Rajgad Dryanpeeth's SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal. Bhor, Dist. Pune -412205 (MS), India. Website: www.taigad.edu.in, Email Id: sencorrespondence.

DEPARTMENT OF MECHANICAL ENGINEERING

NOTICE

Date: 03/04/2022

All Mechanical Engineering students are hereby informed that our Mechanical Engineering Department organized a visit to Pune Alternate Fuel Conclave (AFC), an initiative of the Government of Maharashtra, is being organised by Maharashtra Industrial Development Corporation (MIDC) and Maharashtra Pollution Control Board (MPCB), in association with Maratha Chamber of Commerce, Industries and Agriculture (MCCIA) on 5th April 2022 at Sinchan Nagar Ground, Agriculture College, Pune Attendance is mandatory to all students.

1



Prof. S. K. Pawar

Head of Department

Head of Department Bept. of Mechanical Engineering . Shri Chh. Shivajiraje College of Engi-Dharigatward, Pune-412206

To The Principal, SCSCOE, Bhor, Pune Subject-Permission to visit Pune Alternate Fuel Exhibition. Respected Sir.

To create awareness about alternative fuels which can be used to protect environment by reducing pollution, Govt. of Maharashtra arranged Alternate Fuel Exhibition in association with Maharashtra Industrial Development Corporation(MIDC), Maharashtra Pollution Control Board(MPCB)and Maratha Chamber of Commerce and Agriculture(MCCIA) at Sinchan Bhawan Ground, Agriculture college, Pune during 2nd April to 5 th April 2022. Visit to exhibition is beneficial to Mechanical Engineering students to enhance their knowledge. Directorate of Technical Education also informed us to visit exhibition. Fourty five students along with 2 staff members are willing to visit exhibition tomorrow i.e. 5th April 2022. Please give us permission to visit exhibition with necessary arrangement of one bus from college to Shivajinagar, Pune.

Thanking you,

Yours Truly,

STOCE Head of Department Dept. of Mechanical Engineering Shri Chh. Shivajiraje College of Engg. Dhangawadi, Pune-412206

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Rajgad Dayanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune -412205 (MS), India. Website: www.raigad.edu.in, Email Id. accelerational.com

PUNE ALTERNATE FUEL CONCLAVE-2022 VISIT REPORT

Date: 05/04/2022

Time 11 AM to 6 PM

Venue : Sinchan Nagar Ground, Agriculture College, Pune

Faculty Members:

- 1. Prof. S. K. Pawar
- 2. Prof. M. B. Bankar

About the Pune Alternate Fuel Conclave 2022-

The Pune Alternate Fuel Conclave (AFC), an initiative of the Government of Maharashtra, is being organised by Maharashtra Industrial Development Corporation (MIDC) and Maharashtra Pollution Control Board (MPCB), in association with Maratha Chamber of Commerce, Industries and Agriculture (MCCIA) from 2nd to 5th April 2022, in Pune.

The objectives of the Conclave include:

- To attract investment in alternate fuels & clean mobility in Maharashtra by positioning the state as a domain leader
- To provide a platform for dialogue between key stakeholders on clean mobility technologies
- · To create an awareness among the masses about clean mobility initiatives across the globe
- · To help design and conceptualise a pathway for promoting clean mobility solutions

Pune AFC 2022 will host India's largest vehicle exhibition exclusively focused on alternate fuel technologies in Conclave. Two-wheelers, three-wheelers, cars, goods vehicles, and buses from leading manufacturers like Tata Motors, Piaggio, Skoda, Volkswagen, KPIT, etc. powered by electricity, hydrogen fuel, and biofuels on display for students in this conclave. Also, different Companies have launched new products on the auspicious occasion of Gudh Padwa. The exhibition is free for anyone to attend. Pune's Regional Transport Office (RTO) also present at the Exhibition to facilitate purchase and easy registration of new vehicles by the citizens. Pune



EV Cell is also present at the Exhibition to act as a knowledge ruth for the extrems and to spread awareness about electric vehicles and various government policies.

An Pune AFC 2022 visit at Sinchan Nagar Ground, Agriculture College, Print was done by the SCSCOE, third year 60 students on 5th April 2022. Such visits really added up to the little knowledge of the students and everyone wished for this to happen time and again to seek sense exposure and motivation. Everyone is thankful to Prof. S. K. Pasear, HOD Mechanical Engineering for organizing this visit:





President of MCCIA addressing Pune AFC 2022





Photograph during Pune AFC 2022 visit









Photographs during Pune AFC 2022 visit

Va-

Prof. S. K. Pawar HOD, Mechanical Engg. Head of Department Dept. of Mechanical Engineering Shri Chh. Shivajiraje Colligs of From Dhangawadi, Pune-412004



Prof. Dr. S. B. Patil Principal

Diarganadi, Pane-412206

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1.3 Internship Of Student in Companies



Raigad Dayaspecify's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pure Bangalore Highway, Dhangaseadi, Tal - Bhor, Dist-Pure (Maharashtra)

Criterion 2 - Teaching Learning & Evaluation

Key Indicator - 2.3.1 Teaching and Learning] Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing leaning experiences

Name of Student	Name of Sponsored Industry /Research Institute/ Partner in Institution	Duration	Name Of Department
Adsul Shreeraj Vijay	Aakhar Construction Pvt. Ltd. Shirwal	15/01/2022 to 10/04/2022 1 Month	Civil
Bhandalkar Puja Mansing	Aakhar Construction Pvt. Ltd. Shirwal	15/01/2022 to 10/04/2022 1 Month	Civil
Pawar Sayali Ravindra	Aakhar Construction Pvt. Ltd. Shirwal	15/01/2022 to 10/04/2022 1 Month	Civil
All shows	Aakhar Construction Pvt. Ltd. Shirwal	15/01/2022 to 10/04/2022 1 Month	Civil
Kazi Mujeeb Arshau	Er. Ramesh B Jaiswal Contractor, Aundh	20/12/2021 to 05/02/2022 1.5 Month	Civil
Agjal Eknath Paraji	Comment	20/12/2021 to 05/02/2022	Civil
Chougule Omkar	Er. Ramesh.B.Jaiswal Contractor, Aundh, Dist.	1.5 Month	
Balasaheb	Sneh Buildcon, Loni	15/01/2022 to 25/02/2022 1 month	Civil
	Name of Student Adsul Shreeraj Vijay Bhandalkar Puja Bhandalkar Puja Pawar Sayali Ravindra Kazi Mujeeb Arshad Agjal Eknath Paraji Chougule Omkar Balasaheb	Name of StudentName of Sponsored Industry /Research Institute/ Partner in InstitutionAdsul Shreeraj VijayAakhar Construction Pvt. Ltd. ShirwalBhandalkar Puja MansingAakhar Construction Pvt. Ltd. ShirwalPawar Sayali RavindraAakhar Construction Pvt. Ltd. ShirwalFawar Sayali RavindraAakhar Construction Pvt. Ltd. ShirwalKazi Mujeeb ArshadAakhar Construction Pvt. Ltd. ShirwalAgjal Eknath ParajiEr. Ramesh B Jaiswal Contractor, Aundh HingoliChougule Omkar BalasahebEr. Ramesh B Jaiswal Contractor, Aundh, Dist. Hingoli	Name of StudentName of Sponsored Industry Research InstitutionDurationAdsul Shreeraj VijayAakhar Construction Pvt. Ltd. Shirwal15/01/2022 to 10/04/2022 1 MonthAdsul Shreeraj VijayAakhar Construction Pvt. Ltd. Shirwal15/01/2022 to 10/04/2022 1 MonthBhandalkar Puja

Student Internships



	Sanil			
8	Bhave Pandurang Kishanrao	S.R.Construction	20/01/2022 to 20/03/2022 1 month	Civil
9	Kshirasagar Gajendra Sambhaji	S.R.Construction	20/01/2022 to 20/03/2022 1 month	Civil
10	Budhe Ganesh Dnyandev	Sanjay Construction & Developers,Saswad	08/01/2022 to 20/03/2022 1 month	Civil
.11	Jain Ketan Nareodrakumar	Sanjay Construction & Developers,Saswad	08/01/2022 to 20/03/2022 1 month	Civil
12	Chavan Roshan Namdev	Saraswati Construction, wai	20/12/2021 to 05/02/2022 1.5 Month	Civil
13	Dhaygude Jayesh Sambhaji	Saraswati Construction, wai	20/12/2021 to 95/02/2022 1.5 Month	Crvil
14	Dhadve Nikhil Dilip	STP Developers, Shirwal	15/01/2022 to 10/04/2022 1 month	Civil
15	Mohite Omkar Sambhaji	STP Developers, Shirwal	15/01/2022 to 10/04/2022 1 month	Civil
16	Girigosavi Jyoti Balu	Venkatesh skydale	15/01/2022 to 15/02/2022 1 month	Civil
17	Jadhav Shital Subbash	Shree Venkatesh Buildeon	15/01/2022 to 15/02/2022 1 month	Civil
18	Kale Rutuja Dnyaneshwer	Omkar Constructions, Bhor	15/01/2022 to 10/04/2022 1 month	Civil
19	Koli Mayuresh Sanjay	Omkar buidling & material suppliers	15/01/2022 to 10/04/2022 1 month	Civil
20	Kukade Manoj	Anurag Constructions Nigadi Pune	15/01/2022 to 10/04/2022 1 month	Civi



21	Lokhunde Vaibhav Dilip	Kunjir Bioenergy Indua LLP Mirawadi Daund Pune	15/01/2022 to 10/04/2022 t month	Civil
22	Shinde Aditya Nandkumar	Kunjir Bioenergy India LLP Mirawadi Daund Punc	15/01/2022 to 10/04/2022 1 month	Civil
23	Wadmare Robit Ishvar	Tikona Construction	06/01/2022 to 15/03/2022 1 month	Civil
24	Raut Shubham Sanjay	Tikona Construction	06/01/2022 to 15/03/2022 1 month	Civil
25	Suryawanshi Rohit Rajendra	Sabyadri Construction, Sangali	15/01/2022 to 10/04/2022 T month	Civil
26	Bandal Nikhil Bharat	SSA Steel Pvt. Ltd., Pune	15/01/2022 to 10/04/2022 1 month	Civil
27	Barge Abhijeet Sunil	SSA Steel Pvt. Ltd., Pune	15/01/2022 to 10/04/2022 1 month	Civil
28	Bhilare Saurabh Maruti	SSA Steel Pvt. Ltd., Pune	15/01/2022 to 10/04/2022 1 month	Civil
29	Chaudhari Vivek Rajendra	SSA Steel Pvt. Ltd., Pune	15/01/2022 to 10/04/2022 1 month	Civil
30	Chavan Aniket Keshav	SSA Steel Pvt. Ltd., Pune	15/01/2022 to 10/04/2022 1 month	Civil
31	Chavan Kiran Yuvraj	Rajgad Sahakari Sakhar Karkhana, Nigde, Bhor, Pune	15/01/2022 to 10/04/2022 1 month	Civil
32	Chavan Vikas Kashinath	Rajgad Sahakari Sakhar Karkhana, Nigde, Bhor, Pune	15/01/2022 to 10/04/2022 1 month	Civil
33	Chikane Jay Dattatray	Rajgad Sahakari Sakhar Karkhana, Nigde, Bhor, Pune	15/01/2022 to 10/04/2022 1 month	Civil
34	Devkate Sagar Sidhu	Rajgad Sahakari Sakhar Karkhana, Nigde, Bhor, Pune	15/01/2022 to 10/04/2022 1 month	Civil



35	Gade Rohan Rajendra	Rajgad Sabakari Sakhar Karkhana, Nigde, Bhor, Pune	15/01/2022 to 10/04/2022 1 month	Civil
36	Gujar Amol Rajendra	Sarveih Construction Company, Satara	15/01/2022 to 10/04/2022 1 month	Civil
37	Jaafhary Ajit Sanjay	Sarvesh Construction Company, Satara	15/01/2022 to 10/04/2022 1 month	Civil
38	Jadhav Shubham Navanath	Sarvesh Construction Company, Satara	15/01/2022 to 10/04/2022 1 month	Civil
39	Kadam Pratik Satish	Sarvesh Construction Company, Satara	15/01/2022 to 10/04/2022 1 month	Civil
40	Karale Pravin Sudhir	Sarvesh Construction Company, Satara	15/01/2022 to 10/04/2022 1 month	Civil
41	Kama Sachin Sanju	Sarvesh Construction Company, Satara	15/01/2022 to 10/04/2022 1 month	Civil
42	Kavachat Dattatraya Abhiman	Assant Dudh Pvt. Ltd., Kikayi, Pune	15/01/2022 to 10/04/2032 1 month	Civil
43	Kazi Yasin Yunus	Anant Dudh Pvt. Ltd., Kikavi, Pune	15/01/2022 to 10/04/2022 1 month	Civil
44	Mane Amit Jagdish	Anant Dudh Pvt. Ltd., Kikavi, Pane	15/01/2022 to 10/04/2022 1 month	Civil
45	Mane Navanath Somanna	Anant Dudh Pvt. Ltd., Kikavi, Punc	15/01/2022 to 10/04/2022 1 month	Civil
46	Navghane Sourabh Sopan	Anant Dodh Pvt. Ltd., Kikavi, Punc	15/01/2022 to 10/04/2022 1 month	Civil
47	Nigade Sandesh Suresh	Anant Dudh Pvt. Ltd., Kikavi, Pune	15/01/2022 to 10/04/2022 1 month	Civil
48	Pawar Vishal Sanjay	Shrinath Developers, At post-Gunand, Bhor ,Pune	15/01/2022 to 10/04/2022 1 month	Civil
49	Paygude Shubham	Shrinath Developers, At	15/01/2022 to 10/04/2022 1 month	Civil


50	Powar Namdev Timanna	Shrinath Developers, At post-Gunand, Bhor ,Pune	15/01/2022 to 10/04/2022 1 month	Civil
51	Shinde Shivani Ashok	Shrinath Developers, At post-Gunand, Bhor ,Pune	15/01/2022 to 19/04/2022 I month	Civil
52	Umbarkar Vishesh Santosh	Shrinath Developers, At poet-Gunand, Bhor ,Pune	15/01/2022 to 10/04/2022 1 month	Civil
53	Karchunde Ramesh Sunderrao	Shrinath Developers, At post-Gunand, Bhor "Pune	15/01/2022 to 10/04/2022 1 month	Civil
54	Taru Sachin Ashok	Shrinath Developers, At post-Gunand, Bhor ,Pune	15/01/2022 to 10/04/2022 1 month	Civil
55	Mahangare Pratik Sudam	Omkar buidling & material suppliers	15/01/2022 to 10/04/2022 1 month	Civil
56	More Gauri Pravin	Omkar Construction, Bhor	15/01/2022 to 10/04/2022 1 month	Civil
57	Monica Uday Shilimkar	Mass infra Builders & Developers	15/01/2022 to 10/04/2022 1 month	Civil
58	Snehal Chandrasbekhar Pisał	Mass infra Builders & Developers	15/01/2022 to 10/04/2022 1 month	Civil
1.	Harihar Kiran Deepak	ACG Capsules	IM	Mechanical
2.	Kondhalkar Shubham Prakash	ACG Capsules	1M	Mechanical
3.	Mujawar Ashraf Shabbir	ACG Capsules	IM	Mechanica
4	Nikam Omkar Sunil	ACG Capsules	IM	Mechanica
5.	Shinde Adarsh	ACG Capsules	IM	Mechanica



6,	Wadkar Jagdish Manik	ACG Capsules	TM	Mechanical
7.	Algude Swapnil Dilip	ACG Worldwide	1M	Mechanical
8.	Gaikwad Sourabh Annaso	ACG Worldwide	IM	Mechanical
9.	Pawar Aniket Ramakant	Ambika Fabrication Works	IM	Mechanical
10.	Biradar Aniket Govind	Ambika Plastics Latur	IM	Mechanical
п.	Khot Prathamesh Sanjay	Athani Sugars LTD.	IM	Mechanical
12	Pisal Akash Kiran	Aura Laserfab PVT.LTD.	IM	Mechanical
13.	Chavan Omkar Baikrushna	Balicaja Enterprises	IM	Mechanical
14.	Kadam Vaibhav Vilas	Baliraja Enterprises	1M	Mechanical
15.	Sapkal Tushar Danatray	Bombay Generator LTD.	IM	Mechanical
16.	Gujar Chirag Rajesh	CADME Metal Crafts	1M	Mechanical
.17,	Kazi Azam Raj	D.B.Lad Engineering Works	IM	Mechanical
18.	Nalawade Shubham	Detval Flow Control PVT.LTD.	1M	Mechanical
19.	Chavan Dnyanraj	Durvesh Engineering	1M	Mechanical



20,	Karve Sairaj Ramdas	Durvesh Engineering Works	тм	Mechanical
21.	Kadam Vaishnavi Pradip	E.CAD. Computer Institute	1M	Mechanica)
22.	Karande Omkar Santash	E.CAD. Computer Institute	IM	Mechanical
23.	Bhalghare Pandarang Narayan	EGEARZ PVT.LTD.	IM	Mechanical
24,	Bhosale Yash Santosh	Expro North Sea LTD.	IM	Mechanical
25.	Assad Gaffar Shaikh	GE India Industrial PVT.LTD.	IM	Mechanical
26.	Gade Somanath Ashruba	ILJIN Global India PVT. LTD.	IM	Mechanical
27.	Ghadge Atish Sayaji	ILJIN Global India PVT. LTD.	IM	Mechanical
28.	logulkar Rushikesh Pravin	ILJIN Global India PVT. LTD.	1M	Mechanical
29.	Sarak Pravin Ankush	ILJIN Global India PVT. LTD.	IM	Mechanical
30.	Mahangare Aniket Bharat	KLAUS Multipacking System Shirwal	1M	Mechanical
31.	Parte Pratik Atmaram	KLAUS Multipacking System Shirwal	IM	Mochanica
32.	Mote Ravikiran Maruti	KSB Lamated	IM	Mechanics



33.	Kamble Siddhartha	M.CAD Training	IM	Mechanical
34,	Biradar Akash Dinkar	Matel Motion & Energy Solution PVT.LTD.	IM	Mechanical
35.	Bhīvate Kartik Prabhakar	Mayuresh Plastics	ІМ	Mechanical
36.	Chougule Pavan Dhananjay	Mayuresh Plastics	IM	Mechanical
37.	Jagiap Shubham And	Mayuresb Plastics	IM	Mechanical
38.	Suryawanshi Shubham Vijay	Mayuresh Plastics	IM	Mechanical
39.	Nikalaje Suraj Rajendra	Omkar Enterprises	IM	Mechanical
40.	Pandit Sanket Vinod	Omkar Enterprises	IM	Mechanical
41.	Babar Ajinkya Subhash	Pranav Enterprises	IM	Mechanical
42.	Jadhay Aniket Sanjay	Rieter India PVT.LTD.	IM	Mechanical
43.	Dabholkar Atharva Gunuorasad	Riya Engineerings	LM	Mechanical
44,	Dhame Shriniyas Balaso	Riya Engineerings	1M	Mechanical
45.	Kindre Rohit Anil	Riya Engineerings	IM	Mechanica
-	Vaday Karan Shankar	Riva Engineerings	1M	Mechanica



47,	Chavan Sagar Ramdas	SANHUA India PVT.LTD.	IM	Mechanical
48.	Kale Abhijit Balasaheb	SGK India Industrial Services(P) LTD.	IM	Mechanical
49.	Mane Suhas Mohan	Shankar Enterprises	IM	Mechanical
50.	Naik Sactun Mohan	Shankar Enterprises	IM	Mechanicai
51.	Waghmare Somnath Sudam	Shankar Enterprises	IM	Mechanical
52.	Jadhav Kishor Hiralal	Shree Samarth Automation	IM	Mechanical
53.	Jagtap Suraj Vasant	Specialty Sintered Products PVT.LTD.	IM	Mechanical
54.	Bhosale Akanksha Vijay	Surya Engineering Works	IM	Mechanical
55.	Nigade Tejas Shivaji	Tejas Motors	1M	Mechanical
56.	Nalawade Prasad Prakash	Trisons Engineering	IM	Mechanical
57,	Sutar Aniket Vikas	Trisons Engineering	IM	Mechanical
58.	Walhekar Mayur Navnath	Trisons Engineering	1M	Mechanical
59.	Bendre Abhishek Gajanan	Vardhan Consulting Engineering	IM	Mechanical
60.	Devlekar Saurabh Saniay	Vighanbarta Enterprises	1M	Mechanical



1.	Malusare Kajal Sunil	Microversion Technologies	254	Computer
2	Pawar Sneha Sund	Microversion Technologies	254	Computer
3,	Yadav Revari Vishvanath	Microversion Technologies	2M	Computer
4	Margaje Nikita Suryakant	Crearione Software	5M	Computer
5.	Bhosale Priyanka Hiratal	Creazione Software	5M	Computer
6.	Satpute Monali Rajendra	Education 4 OL, Pune	2M	Computer
7.	Shirke Nishigandha Kundlik	Education 4 OL, Pune	2М	Computer
8.	Walmiki Shivani	Education 4 OL, Punc	2M	Computer
9.	Bobade Prachi Santosh	Ousis Infobyte	IM	Computer
10,	Borane Shubham	Ousis Infobyte	IM	Compute
II.	Jadhay Dhiraj Anna	Oasis Infobyte	iM	Compute
12.	Koli Gaurav	Oasis Infobyte	IM	Compute
13.	Korade Tujay	Oasis Infobyte	1М	Compute



14.	Lawande Swapnil Blialchandra	Oasis Infobyte	1M	Computer
15.	More Preeti Arvind	Oaais Infobyte	IM	Computer
16,	Saste Shubham Jalindar	Oaais Infobyte	IM	Computer
17,	Theurkar Priyadarshan Duyanoba	Oasis Infobyte	IM	Computer
18.	Thombare Chandan Shekhar	Oasis Infobyte	IM	Computer
19.	Bait Rukshita Dinesh	Officika Technologies PVT.LTD.	1M	Computer
20.	Chavan Ritambara Shankar	Officika Technologics PVT.LTD.	IM	Computer
21.	Dabade Suyash Sunil	Officika Technologies PVT.LTD.	IM	Computer
22.	Dhadave Ajinkya Rohidas	Officika Technologies PVT.LTD.	1M	Computer
23.	Dhadve Pragati Uddesh	Officika Technologies PVT.LTD.	1M	Computer
24.	Gaikwad Shubhangi Survakant	Officika Technologies PVTLTD.	IM	Computer



-	Pandurang	Officika Technologies PVTLTD	ÛM.	Computer
26,	Gorad Akshada Rajendra	Officika Technologies PVT.LTD.	1M	Computer
.27.	Kamble Prashant Mohan	Officika Technologies PVT.LTD.	IM	Computer
28.	Padale Tejas Chandrakant	Officika Technologies PVT.LTD	IM	Computer
29.	Patankar Samarjeet Satish	Officika Technologies PVT.LTD.	IM	Computer
30.	Raut Pooja Sharad	Officika Technologies PVT.LTD	IM	Computer
31.	Shilimkar Namrata Rajendra	Officika Technologies PVT.LTD.	IM	Computer
32.	Shinde Sandhya Prabhat	Officika Technologies PVT.LTD.	IM	Computer
33.	Shivtare Harshada Sanjay	Officika Technologies PVT.LTD.	IM	Computer
34.	Borsare Shubham Tarudutta	Lets Grow More	IM	Computer
35.	Devgirikar Vidya Sambhaii	Lets Grow More	IM	Computer



36.	Gawali Kartik Rakesh	Lets Grow More	1M.	Computer
37.	Kaluse Sahil Sanjay	Lots Grow Mare	1M	Computer
38.	Khandale Kiran Prakash	Lets Grow More	IM	Computer
39.	Khopade Ajit Dattatraya	Lets Grow More	IM	Computer
40.	Kirve Makrand Shashikant	Lets Grow More	3M	Computer
41.	Kshirsagar Prathamesh Dilip	Lets Grow More	IM	Computer
42.	Mahandave Kunal Dilip	Lets Grow More	IM	Computer
43.	Munde Abhijeet Bhagwat	Lets Geow More	IM	Computer
44,	Todkar Omkumar Murlidhar	Lets Grow More	IM	Computer
45.	Umbarkar Kunal Sunil	Lets Grow More	1M	Computer
46.	Shinde Dipak Naresh	L&D Infotech PVT.LTD.	IM	Computer
47.	Sonwane Sonal Eknath	L&D Infotech PVT.LTD.	IM	Computer
48.	Yewale Yash	L&D Infotech PVT.LTD.	IM	Computer



49.	Pawar Mayur Ravindra	Sunanda Infotech PVT.LTD.	IM	Computer
50.	Kinhale Kajal Mohan	K.P. Technologies	1M	Computer
51.	Bhosale Shweta Sharad	K.P. Technologies.	UM	Computer
52.	Kachi Aditi Jagdish	Prabhupada World	IM	Computer
53.	Jagdale Harshada Shivaji	Forage	IM	Computer
54.	Bhelke Shereya Umesh	Forage	IM	Computer
55.	Gaikwad Puja Balkrushna	College Ranker India	IM	Computer
56.	Dere Sunanda Muktaram	Abstract IT Solutions	IM	Computer
57,	Astiyan Nazim Attar	Shryash IT Solution	IM	Computer
58.	Jadhav Anuja Popat	Oasis Infobyte, Pune	IM	Computer
59.	Chikane Payal Bharat	L&D Infotech Pvt. Ltd.	2M	Computer
60.	Rathod Bhimrao Devidas	L&D Infotech Pvt. Ltd.	2M	Computer
61.	Ubhe Rutvik Baban	L&D Infotech Pvt. Ltd.	2M	Computer
63	Dhamal Ankita Vijay	LetsGrowMore, Pune	1M	Computer



63	Dighe Vinayak Shankar	LetsGrowMore, Pane	IM	Computer
64.	Gailcwad Rushikesh Ramdas	LetsGrowMore, Pane	ЪМ	Computer
65.	Parkhande Priyanka Robidas	LetsGrowMore, Pune	iM	Computer
66	Patankar Samarject Satish	Officika Technologies PVT.LTD.	1M	Computer
1	BABAR RUTUIA PRADIP	Lets Grow More- Virtual Internship	01/04/2022 To 01/05/2022	E&TC
		CAD Desk- Virtual Internship	01/04/2022 To 15/05/2022	E&TC
2	BHIMANAVARU BASAVRAJ ARJUN	Spectris Technology Pvt.Lid, Bavdhan,Pane	01/03/2022 To 30/04/2022	E & TC
3	DEOKAR POONAM DHANAJI	Innotronix Labs & Trading Pvi. Lud. Sanewadi, Bbor, Punc	03/01/2022 To 18/02/2022	E & TC
4	DHONDE ABHLIEET VITTHAL	Property Solution Indue Pvt. Lad.	02/04/2022 To 30/05/2022	E & TC
5	DUDHANE TEJAS TANAJI	VCB Electronics Private Limited, Khed Shivapur Pune	19/08/2021 To 19/09/2021	E&TC
6	GADE RUSHIKESH	L&D Infotech Pvt. Ltd.,	01/03/2022 To 01/05/2022	E&TC



7	GADEKAR NILAM RAMESH	L&D Infotech Pvt. Ltd., Katraj Pune	01/03/2022 To 01/05/2022	E&TC
8	GADHAVE PRAJETA SUNIL	inled Technologies LLP Mhuvashi, Khandala, satara	01/04/2022 To 01/06/2022	E&TC
9	GHATAKAMBLE SANDEEP SIDHALINGAPPA	Spectrix Technology Pvs.Ltd, Bavdhan,Pune	01/03/2022 To 30/04/2022	E&TC
10	JADHAV ANIKET NATHU	Innotronix Labs & Trading Pvt. Ltd. Sasewadi, libor, Pune	03/01/2022 To 18/02/2022	E&TC
ш	JADHAV JYOTI SANJAY	Egeatz Private Ltd. Shindewadi, Khandalu, Satara	03/01/2022 To 18/02/2022	E&TC
12	IADHAV PRIYANKA TANAR	Highlight Electricals and Service, Baramati Pune	01/04/2022 To 30/04/2022	E&TC
13	KADALE SHRUTIKA PRAMOD	Safeespress Pvt. Ltd. , Shindewadi , Bhor, Pone	15/03/2022 To 15/05/2022	E&TC
14	KADAM DHIRAJ SUHAS	Ideal Designs Engineering & PCB Designing, Shivane Pune,	01/04/2022 To 08/05/2022	E&TC
15	KANSE PAYAL ASHOK	Surya Enginnering Works, Shirwal.	03/01/2022 To 18/02/2022	E&TC
16	KASHID DEEPALI BABURAO	Arete Manufacturing Services Pvt. Ltd. Dhyari Pune.	01/04/2022 To 30/04/2022	E&TC



17	KHOMANE SAGAR BHANUDAS	Raj Połyfabrics Pvt. Ltd. , Jejuri MIDC, Purandar, Pune.	15/04/2022 To 18/05/2022	E&TC
18	KHOPADE AARATI NAMDEV	In Yamra Technologies Pvt. Ltd., Shirwal, Khaodala	01/03/2022 To 31/04/2022	E&TC
19	KOKATE ANKITA BALASAU	Wimson Electronics Pvt. Ltd. Shindewadi, Bhor, Pune	01//04/2022 To 28/04/2022	E&TC
20	KOKATE UMESH RAMESH	Ideal Designs Engineering & PCB Designing, Shivane Pune.	01/04/2022 To 08/05/2022	E&TC
21	KONDHALKAR POOJA RAMCHANDR	Innotronix Labs & Trading Pvt. Ltd. Sasewadi, Bhor, Pune	03/01/2022 To 18/02/2022	E&TC
22	MALAVI VISHAL SHIVAJI	Ideal Designs Engineering & PCB Designing Shivane Pune.	01/04/2022 To 08/05/2022	E&TC
23	MALEKAR KOMAL SANJAY	In Yantra Technologics Pvt. Ltd., Shirwal, Khandala	01/03/2022 To 31/04/2022	E&TC
24	METIL MAHENDRA RANGRAO	Ideal Designs Engineering & PCB Designing. Shivane Punc.	01/04/2022 To 08/05/2022	E&TC
25	MORE KETAN VIJAY	Innotronix Labs & Trading Pvt. Ltd. Sasewadi, Bhor, Puor	03/01/2022 To 18/02/2022	E&TC



26	MORE MAHESH SUNIL	Smart Knowner- Online internship	02/04/200 To 05/05/2022	E&TC
27	PARWADI AAYUSH ASHOK	Lets Grow More-Virtual Internship	01/04/2022 To 01/05/2022	E&TC
28	PATIL ARCHANA MAHADEO	Supreme Facility Management Pvt. Ltd. Akurdi Pune.	01/04/2022 To 30/04/2022	E&TC
29	PAWAR GANESH PANDURANG	Specuris Technology Pvt.Ltd, Bavdhan,Punc	01/03/2022 To 30/04/2022	E&TC
30	PAWAR RUSHIKESH DNYANESHWAR	Raj Polyfabrics Pvt. Ltd. , Jejuri MIDC, Purandar, Pune.	15/04/2022 To 18/05/2022	E&TC
31	PAWAR SWARALI RAMCHANDRA	Dynamic Solution Pvt. Ltd. Baner Pune	08/04/2022 To 20/05/2022	E&TC
32	RENUSE ARCHANA SITARAM	In Yanna Technologies Pvt. Lud., Shirwal, Khandala	01/03/2022 To 31/04/2022	E&TC
33	SALUNKE PRATIKSHA PANDURANG	L&D Infotech Pvt. Ltd., Katraj Purse	01/03/2022 To 01/05/2022	E&TC
34	SAWANT RAJ DNYANESHWAR	ILJIN Global India Private Limited Kesordi, Khandala, Satara	01/04/2022 To 30/04/2022	E&TC
35	SHAIKH SHAHRUKH	Geeks for Geeks - Online Internship	05/03/2022 To 08/04/2022	E&TO

130	SHENDAGE BHAGYASHREE UMAJI	Cummins Indi Limited. Phaltan	18/03/2021 To 14/03/2022	E&TC
37	SUTAR PRATIK ADHIKRAO	Lets Grow More- Virtual Internship	01/04/2022 To 01/05/2022	E&TC
38	SUTAR SHABDASHREE	Chheda Electricals & Electronics Pyt. Ltd. Palashi, Khandala Satara	03/01/2022 To 18/02/2022	E&TC
39	SUTAR SEIITAL KASHINATH	United Crain & Components Pvt. Ltd. Pune	03/01/2022 To 18/02/2022	E&TC
40) TAVARE SHUBHAM LAXMAN	iGeeks Bridging Technology	03/04/2022 To 06/05/2022	E&TC
1	I WALHEKAR KOMAL BALASO	Innotronix Lahs & Trading Pvt. Ltd. Sasewadi, Bhor, Page	03/01/2022 To 18/02/2022	E&TC



the Prof. Dr. S. B.Patil

Principal Rajpi Daysepech's Shit Charropal Blocks of College of Ecopy Diagonals, Pane-412200 A/p New Colony, Shirwal , Tal. Khandala Dist. , Satara.

AKAR CONSTRUCTION

SINCE 1993

Date: 10/04/2022

INTERNSHIP COMPLETION CERTIFICATE

To whom-so-ever it may concern

Project Name: K & K Heights

This is to certify that Mr. Shreeraj Vijay Adsul student of Civil Engineering [3rd Year] from Shri. Chhatrapati ShivajiRaje College of Engineering Dhangawadi, Pune-412206 has successfully completed Internship Program for 3 months dated from 15/01/2022 to 10/04/2022 at Ongoing project of AKAR CONSTRUCTION Shirwal.

During this above tenure we found him to be regular, honest & dilgent in duties & responsibilities. His association with us was very truthful & we wish him all the success for his future endevours.

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AKAR CONSTRUCTION Kazi A. A. Shirwal

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CERTIFICATE

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AKAR CONSTRUCTION BUILDING SINCE 1993 A/p New Colony, Shirwal , Tal. Khandala Dist., Satara.

Date: 30/05/2022

insee by

ARAB INTE THE TROP

TO WHOM IT MAY CONCERN

This is in certify that Ma. Bhandalkar Paja Manalog studen of RDTC Disingwold, persong T.F. Coulthas successfully completed field internabily of winter vacation at Akar Constructions,Shirwal, Doord from 15/01/2022 to 10/04/2022 under the guidance of Fr. ARSHAD KAZI.

During the period of training. Nor was found punched and she is sincere about grining the field knowledge.

+01 06733 83706 / +01 74000 74890 akarconstructions1993@email.com

Page No. 4

www.caddeskindia.com

Reg.No.:SI/CS/20/8209

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OF COMPLETION

Congratulations!

This certificate is proudly presented in the recognition of the completion of Internship at CAD DESK

R P Babar	Summer Internship In Web Development
Name	Course
1- Apr-22	45 Days
Start Date	Duration
Web Design	Caddesk Jaipur
Software/Technology	Training Centre

in the future endeavors His/her association with us was very fruitful and we wish him/her all the best

MAN

Managing Director

25-May 22 Awarded on

CAD DESK IS A REGISTERED TRADEMARK OF PARTIES



H Dire



CAD DESK IS A REGISTERED TRADEMARK OF PARSHI TRAINING AND TECHNICAL SERVICES PVT. 11D

CERTIFICATE of Completion

CID - LGMVIPWEB00014569

PROUDLY PRESENTED TO

Rutuja Pradip Babar

Was an active Participant in the LetsGrowMore Virtual Internship Program in Web Development from 1 April 2022 to 1 May 2022

Man Kesarwani

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FOUNDER



6 May 2022

spectris

Office: Spectris Technologies Pvt. Ltd. Office No.101, Pl. No.10, A G Trade Center, NDA Pashan Road, Ram Negat, Bavdhur. Pune 411 021

Spectris Technologies Pvt Ltd

INTERNSHIP CERTIFICATE

This certificate is presented to

Basavaraj Bhimanavaru

For completing his internship program from March to April 30, 2022.

Given this June May 02, 2022.

During his association with us, we found him to be hard working and a keen learner. We wish him success in his future endeavors.

HR Manager Krisha Das

AUTHORISED SIGNATOR OC

CIN: U32109DL2002PTC117273 Regd. Office: 202, Anarkali Complex, Jhandewalan Extension, Opp. Videocon Tower, New Delhi - 110055

UNRESTRICTED DOCUMENT



14" Feb 2022

To whom it may concern

Innotronix Labs & Trading Pvt Ltd certifies that Ms. Poonam Devkar successfully completed the internship program from 3rd January 2022 to 18th February 2022.

During this time. Ms. Poonam Devkar displayed professional traits during his internship period and managed to complete all assigned tasks as requested. She was hardworking, dedicated, and committed. It was a pleasure having her with us in this short period.

Sincerely,

For Innotronix Labs & Trading Pvt Ltd



INNOTRONIX LABS & TRADING PVT. LTD.

DIGITAL SIGNAGES | IOT SOLUTIONS | SMART LIGHTING

Regit, Dit.: Gait No. 77 & 81, Mumbai-Bangalore Highway, Village : Sasewaldi, Tal.: Bhor, Dist.: Pune, Pin.: 412 205, Maharashira, INDIA. Contact No.: 9579662819/8329827723, Email: explore @innotronodabs.com, Website: www.innotronodabs.com

www.caddeskindia.com

Reg.No.:SI/CS/20/8209

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OF COMPLETION

Congratulations!

This certificate is proudly presented in the recognition of the completion of Internship at CAD DESK

R P Babar	Summer Internship In Web Development
Name	Course
1- Apr-22	45 Days
Start Date	Duration
Web Design	Caddesk Jaipur
Software/Technology	Training Centre

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MAN

Managing Director

25-May 22 Awarded on

CAD DESK IS A REGISTERED TRADEMARK OF PARTIES



H Dire



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FOUNDER



6 May 2022

spectris

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Sincerely,

For Innotronix Labs & Trading Pvt Ltd



INNOTRONIX LABS & TRADING PVT. LTD.

DIGITAL SIGNAGES | IOT SOLUTIONS | SMART LIGHTING

Regit, Dit.: Gait No. 77 & 81, Mumbai-Bangalore Highway, Village : Sasewaldi, Tal.: Bhor, Dist.: Pune, Pin.: 412 205, Maharashira, INDIA. Contact No.: 9579662819/8329827723, Email: explore @innotronodabs.com, Website: www.innotronodabs.com > Our technology. Your success. Pumps - Valves - Service



Certificate of Training

This is to certify that,

Mr. Ravikiran Maruti Mote

Of Shri. Chhatrapati Shivajiraje College of Engineering ,Dhangwadi,Tal-Bhor,Dist-Pune,Branch-Mechanical Engineering have successfully completed 1 month (01.01.2022 to 31.01.2022) training at our company.

During the training ,he have closely worked as part of our team .

We wish him good luck for all future endover & look forward to work with them in the near future.

Q. M

.

Pratik sutar.

(Executive,QM)

Mail to

Registered Office Head Office Zonal Offices KSB Limited : A1, MIDC Khandala Phase II, Village Kesurdi, Tal. Khandala, Satara - 412 802 Tel. : +91 2169 -246800 Visit us at : www.ksbindia.co.in Office No. 601, Runwal R. Square, L.B. S. Marg, Mulund (West), Mumbai- 400 080, Tel. : 022-2168 1300 Mumbai - Pune Road, Pimpri, Pune - 411 018, (India) Tel. : +91 20 2710 1000 Fax : +91 20 2742 6000 Olennai - Kolkata - Mumbai - NOIDA CIN : L29120MH1960PLC011635



31ST December 2021

WHOMSOEVER IT MAY CONCERN

This is to certify that Mr.Gaikwad Sourabh Annaso form Rajgad Dnyanpeeths Technical Campus Dhangawadi, has successfully completed internship in our organization from 1st December 2021 to 31" December 2021 The study of his internship was Industrial Training.

During this period we found him to be science and hard working.

We wish all the very best for his future and ender

For ACG Worldwide

Get 194 31/12/2

Anju Chaudhary BU – HR Head

Regd. Office: Plot No. 131, Kandivali Industrial Estate, Kandivali (West), Mumbai - 400 067, India <u>Phone: +91 22 7194 8400</u> ACG Associated Capsules Pvt. Ltd. ACG Associated Capsules Pvt. Ltd.

Factory: Gat No. 322,323, Shirwal, Tal. Khandala, Dist. Satara, Maharashtra – 412 801. India Phone: +91 77200 89461/2/3 | Email: Sales, acpl@acg-world.com | Website: www.acg-world.com CIN No: U24239MH1961PTC012061 | GST No: 27AAACA4769K1ZD





Plot A-2, Phase - II, Khandala MIDC, Village - Kesurdi, Tal. Khandala, Dist. Satara - 412802. Maharashtra, India. Tel.: 91-2169-227300 www.iljin.com

CIN No.: U29292PN2016PTC157848

Date: 02/05/2022

CERTIFICATE OF COMPLETION

This is to certify that Mr. Mr. Somanath Ashruba Gade, Student of TE Mechanical Department of RD's SCSCOE, Bhor, Pune, has successfully completed internship program in production department from 01/04/2022 to 30/04/2022.

During the period of his internship program with us, he had been exposed to different of processes and was found diligent, hardworking and inquisitive.

We wish the student a very Best of Luck for his future Endeavours.

For ILJIN Global India Pvt Ltd;

Mr. Bhaskar Poman Dy. General Manager HR & General Affairs





WORKING UNDER M. T. S. T. S. GOVT. REG. NO. SAN/MRJ/GNL/0/343/2004 GOVT OF INDIA ID:- DL/2012/0055306 ISO 9001 : 2008

HR/22-23/REC007

Date: 05/05/2022

Certificate of Training

To Whomsoever It May Concern

This is to certify that,

Mr. Kamble Siddhartha Raoso

of Shri Chhatrapati Shivajiraje college of Engineering, Dhangwadi, Tal.- Bhor, Dist.- Pune, Branch- Mechanical Engineering have successfully completed 30 Day (1-04-2022 to 30-04-2022) training at our organization.

During the training, students have closely worked as part of our team.

We wish them good luck for all future endower & look forward to work with them in the near future.

Date: 5-5-2022

For,

M-CAD TRAINING INSTITUTE

Katraj-Kondhwa Road,



M-CAD Training Institute, Office No. 17, Shri Ganesh Vishwa Society, Opp. to Dominos Pizza, Gokul Nagar, Katraj, Kondwa Road, PUNE - 411 048.

🧏 83294 90320 77749 54433 🛛 💼 support@mcad.in

1.4 MOU with Institute/Industries

Raigad Duyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Giat No. 237, Pune Bangalore Highway, Dhangawadi, Tal - Bhor, Dist-Pune (Maharashtra)

Criterion 2 - Teaching Learning & Evaluation

Key Indicator - 2.3.1 Teaching and Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing leaning experiences

S.No	Name of industry/ Company Research Institute / Partnering Institution	Date of Commencement	Name Of Department	Duration
1	SSA Steel Pvt. Ltd., Puise	15/07/2020	Civil	5 Years
2	Rajgad Sahakari Sakhar Karkhana,	15/03/2013	Civil	10 Years
3	Anant Dudh Pvt. Ltd.	10/04/2013	Civil	10 Years
4	Sarvesh Construction	05/01/2016	Civil	10 Years
5	ECADD Computer	17/07/2021	Civil	5 Years
6	Shrinath Developers, At post-Gunand,	15/06/2021	Civil	5 Years
7	VA-Computer Institute, Bhor, Pune	15/06/2021	Cīvil	5 Years
9	Microdynamic Software Pvt. Ltd.,	10/07/2017	Computer	5 Years
	Pune	Conversion of the second		

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MOU with Institute/Industries

1		Linesian World Centry	1		Value 1
2	10	Pot. List.	05.08/2016	Completer	10 Years
	11	Web Meals IT Solutions, Purse	30/10/2020	Company	5 Yaars
	12	L & D Infinisch Pet. 138 Parse	47-12-2021	Computer	5 Years
	13	VCB Electronics Pvt. Ltd. Khed Shivaput, Pune.	03/03/2022	Computer	5 Years
	14	Rajgad Sabakari Sakhar Kharkhana,	15/03/2013	Mechanical	10 Years
	15	Anant Dudh PVT LTD.	10/04/2013	Mechanical	10 Years
-	16	Speciality Sintered products Pvt Ltd.	20/12/2014	Mechanical	10 Years
-	17	Ramadeep Castings PVT LTD.	09/03/2015	Mechanical	05 Years
-	18	Saturn Rings & Forgings Pvt Ltd.	01/12/2020	Mechanical	05 Years
0	19	High Power Engineering Co.Pvt.Ltd.	04/01/2019	Mechanical	05 Years
-	20	VCB Electronics Pvt. ltd	24 June 2014	Electronics & Telecommunication Engineering	10 year
-	21	Dhruva Automation and controls Pvt. Itd	07 March 2016	Electronics & Telecommunication Engineering	10 years



22	Xtream Engineering Equipment Pvt. ltd	17 July 2015	Electronics & Telecommunication Engineering	10 years
23	Saturn Rings and Forgings Pvt. Ltd	27 Dec 2018	Electronics & Telecommunication Engineering	5 years
24	High Power Engineering Co Pvt. Ltd	14 June 2014	Electronics & Telecommunication Engineering	10 years
25	Raj Vimal Group	20 August 2019	Electronics & Telecommunication Engineering	10 year

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Prof. Dr. S. B.Patil

Principal Bigat Description Ent Charappent Discription College of Dega-Diasgowood, Pane-412206



MEMORANDUM OF UNDERSTANDING

Between

Rajgad Dyanpeeth's Technical Campus Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune Department of Civil Engineering



AND

E-CADD,

Computer Institute, Bhor, Pune, Maharashtra -412206



COMMITTED FOR QUALITY TRAINING

Date: 17/07/2021

Ref No. RD/ SCSLOE/ (1vil/2021-22/09

PREAMBLE:

RDTC is established in year 2009 in order to achieve excellence of students in the field of science and technology. It is approved by AICTE, New Delhi and Government of Maharashtra and is affiliated to the Savitribai Phule Pune University.

The Institutes have state of the art infrastructure appropriate to conduct engineering education. RDTC'S SCSCOE runs 04 UG programs. The Department of Civil Engineering of RDTC's SCSCOE Dhangawadi, Bhor is established in 2009 with an intake of 60 students. It has experienced faculty Engaged in teaching and research. Laboratories of all the departments are well equipped with modern equipment's and experimental setups. Besides conventional teaching, college puts special emphasis on ebased learning, subject-oriented advanced inputs.

The goal of the Civil Engineering Department is to train the students to face the challenges of ever changing technology and maintaining high ethical and moral standards. The departmental advisory committees consisting of well-known academicians and experts from industry guide the departments in their academic activities. The students' chapters established in the departments provide professional touch to the education. The department organizes the workshops and seminars on advance technology for the UG students.

The Agreement is signed between,

Whereas, Rajgad Dnyanpeeth Technical Campus, Shri Chhatrapati Shivajiraje College of Engineering, Dhangwadi, Tal: Bhor, Dist: Pune, Maharashtra 412206, (Hence forth referred as **Party 1**)

AND

Whereas, ECADD Computer Institute, Bhor, Pune, Maharashtra -412206, (Hence forth referred as Party 2)

Whereas, both party no. 1 and party no. 2 are interested to develop the knowledge of advances in concrete technology in all respect at student's study level, which are helpful personally to students and future quality improvement.

Whereas, both parties have decided to agree to establish industry-academic collaboration in the areas of mutual interest and in accordance with terms and conditions set forth in this memorandum of understanding (MOU).



Objective of MOU:

- To strengthen the industry-institute interaction to provide high quality and up to date technology supports and value added programs to the Engineering students, Masons and Contractors practicing on sites.
- 2. To establish common platform between Company and Institute to plan and execute activities for the development of Industrial Institute interaction.
- Planning and utilizing resource like staff and infrastructure for joint R&D works, industry based joint consultancy work.
- 4. Sharing of latest Technical trends in Educational and Industrial field.
- 5. To get exposure and training to student under the supervision of industry experts.
- 6. To get access of the trained engineers.

AGREEMENTS OF MOU:

Both Party 1 and Party 2 shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements.

1. Party 2 - shall share their knowledge and experience by way of joint conferences and seminars/workshops.

2. Party 2 - agrees to provide all documents like brochures, leaflets, CD, DVD and their devices (computer etc.) including lecturers, skilled staff, helping staff, for above activity.

3. Party 1 - agrees to provide audio-visual projector and screen facility and appropriate seminar hall, inclusive of required electrical devices and supply system etc.

4. Party 2 - agrees to provide material and tool tackles, which are necessary for demo, and practical.

5. Party 2 - agrees to conduct above mentioned programs in campus of Rajgad Dnyanpeeth Technical Campus, Shri Chhatrapati Shivajiraje College of Engineering, Dhangwadi, Tal: Bhor, Dist: Pune, Maharashtra 412206.

6. Party 1 - agrees to provide open space, covered space, electricity, water, and washroom facilities as per requirements and institutional working days and time.

7. Party 2- may seek assistance/guidance of Party 1 faculty members in technical or any trouble shoot issues.

FINANCIAL ARRANGEMENTS:

1. The collaborative program between Party 1 and Party 2 shall be coordinated by a coordination committee appointed by Directors of both Institute (Parties).

2. Financial arrangements for each specific collaboration will be decided on case to case basis and brought on record in each case after due approval from heads of both institutions (Parties).

INTELLECTUAL PROPERTY RIGHTS:

Rights regarding publications, patents, royalty, ownership of software/design/product developed under scope of MOU shall be decided by two parties by mutual consent.

CONFIDENTIALITY:

Both the parties agree to hold in confidence all information/data which is obtained from either side or created during the performance of MOU and will not disclose the same to any third party without written consent of other side.

COORDINATORS:

Both sides will designate persons who will have responsibility for coordination and implementation of this agreement.

DURATION OF MOU:

This MOU will take effect from the date it is signed by the representatives of the parties, This MOU is binding on both parties for the duration of Ten academic year,2021-22, 2022-23, 2023-24,2024-25,2025-26,2026-27,2027-28,2028-29,2029-2030,2031-2032.

Either party may terminate the MOU by giving 1 month's written advance notice to the other party, once terminated neither Party 1 or Party 2 will be responsible for any losses, financial or otherwise, which the other party may suffer. This MOU is signed subjective approval of representatives of both the parties' academic/administrative bodies.

SCHEDULE FOR ACTIVITIES:

Various activities to achieve the objectives of MOU mentioned, will be conducted as per mutual convenience of both parties with minimum 15 days of advance planning.




THE PLACE OF SIGNING MOU: Rajgad Dnyanpeeth Technical Campus, Shri Chhatrapati Shivajiraje College of Engineering, Dhangwadi, Tal: Bhor, Dist: Pune, Maharashtra 412206

Prof. S. P. Salunkhe Head, Department of Civil Engineering	Dr. S. B. Patil Principal, Shri Chhatrapati Shivajiraje College of Engineering, of Engineering
Date: 17107/2021 Place: Dhanywadi	Seal Principal Rajgad Dr.yanpeeth's Shri Chhatrapati Shivijit aje College of Engg., Dhangawadi, Pune-412206

N.ON Er. Abhijit Gaikwad Owner, ECADD Computer Institute, Bhor, Pune Date: 17/07/2021 Place: Dhongward Seal E-CADD Computer institute, Bhor 3rd floor madhusavitri sadan above to shivkrupa pathpedhi Mangalwar peth, bhor, Ta. Bhor dist. Pune 412206



Memorandum of Understanding between RD's SCSCOE & Patronix Technologies Pvt. Ltd. Pune

This Memorandum of Understanding (hereinafter referred to as "MoU") is entered into on this date 03/03/2022

Between:

Patronix Technologies Pvt. Ltd. Pune Magarpatta Rd, Amanora Park Town, Hadapsar, Pune, Maharashtra 411028.

And

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- 3. Extension Activities and dissemination of new knowledge





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Patronix Technologies Pvt. Ltd. Pune

Director Authorized Sign & Seal

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Shri Chhatrapati Shivajiraje College of Engineering

Approved by AICTE, Govt of Maharashtra and Affiliated to the University of Pune (ID NO PU.PN/Engg/376/2009) Dr. Bhagyashree s. Patil Anantrao Thopte

Hon, secretary

Anantrao Thopte Founder President Ex. Education Minister Maharashtra State



8

High Power Engineering CO. Private Limited

This Memorandum of Understanding (hereinafter referred to as "Mo(,") is entered into on this date i.e. 14th June 2014

Between:

RD's-Shri Chhatrapati Shivajiraje College of Engineering-Bhor, Dist-Pune, Maharashtra, (hereinafter referred to as "The College") an institution of higher learning founded in 2009 Affiliated to Savitribai Phule Pune University's Approved by AICTE, New Delhi.

And

High Power Engineering CO. Private Limited, Gate No. 1117/1121 Khandala, Shirwal, Maharashtra 412801 (here in after referred to as "The Industry")

The College and The Industry shall be collectively referred to as "The Panies"

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।। प्राणनिको जावमणः प्रदिवः ।।

Rajgad Dnyanpeeth's

Shri Chhatrapati Shivajiraje College of Engineering

Approved by AICTE, Govt of Maharashtra and Affiliated to the University of Pune (ID NO PU/PN/Engg/376/2009)

Dr. Bhagyashree s. Patil Hon. secretary Anantrao Thopte Founder President Ex. Education Minister Maharashtra State



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251) Authoriz

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Gat No. 237, Pune Bangalore high-way, Dhangawadi, Tal. Bhor, Dist. - Pune. Pincode - 412206. Telefax. : 02113-282456 / 556 / 656 Email : scscoe@gmail.com Website : www.scshivajirajecoe.com





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Registered? Extension Activities and dissemination of new knowledge / Accounts Office :

Office No. 102, Kumar Vastu Building, Rangehill Road, Pune - 411 007 Ph No.: (020) 25561620, +91 9822910121 E-mail : sgpmktg15@gmail.com CIN No. : U34300MH1996PTC102922 Gat No. 1117 / 1121, Shirwal, Tal. Khandala, Dist. Satara - 412 801, Maharashtra (India) Ph No.: (02169) 244608, +91 9881064375, +91 9822910122 E-mail : highpowerco@gmail.com Web : www.highpowerco.com





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Rajgad Doyanpeeth's Shri Chhatrapati Shivairraje College of Engg. Dhangawadi, Pane (12206

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RAJGAD DNYANPEETH TECHNICAL CAMPUS Shri Chhatrapati Shivajiraje College of Engineering

Approved by AICTE, Recognised by DTE Affiliated to the Savitribai Phule University of Pune

Founder President : Anantrao Thopte, Ex. Education Minister (M.S), Hon Secret

Hon Secretary : Dr. Bhagyashri S. Patil

Memorandum of Understanding between RDTC-SCSCOE Campus

Saturn Rings & Forgings Pvt. Ltd

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And

Saturn Rings & Forgings Pvt. Ltd, Gat No.457, 458 Industrial Plot No. 5 & 6, At / Post - Shirwal, 412801

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सावित्रीबाई फुले, पुणे विद्यापीठ संलग्नीत.



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V V (Mahesh K. BA7) 27/12/2018

Authorized Sign & Seal



12-27/12/18 Authorized Sign & Seal



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Saturn Rings & Forgings Pvt Ltd

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Saturn Rings & Forgings Pvt Ltd

2.1 Student Participation In Competitions like Project & Paper Presentation

Rajgad Drayampooth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tid - Bhor, Dist- Pone (Maharashiza)

Criterion 2 - Teaching Learning & Evaluation

Key Indicator - 2.3.1 Teaching and Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

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1			Pratiksha Manik Nale		-
		A smart approach for car parking using android	Someshwer Ramesh Solat	Journal of advance research in mobile computing Volume 4 issue1.	1001: http://doi.org/10 .5281/zenodo.66 .29693
			Pranali Prakash Pawar		
4			Vidya Namdev Shingade		
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	4		Vinayak Shankar Dighe		
	2	candidate	Ankita vijay Dhamal		
		recruitment at work	Rushikesh ramdas Gaikwad		
1			Nishigandha Kundlik Shirke		1001
		Forecasting of Stock market trends using	Anuja Popat Jadhav	Advancement of	http://doi.org/10
	3	machine learning techniques	Monali Rajendra Satpute	computer technology and its applications	.5281/zenodo.66 29999
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Detect-DR: Classification of Diabetic Retinopathy using Fractal Analysis and Random Forest

Poonam R. Yadav¹*, Revati V. Yadav², Sneha S. Pawar³, Kajal S. Malusare⁴, S. B. Shirke⁵ ^{1,2,3,4}Student, ⁵Assistant Professor, Department of Computer Engineering, Rajgad Dnyanpeeth Technical Campus, Pune, India. *Corresponding Author

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ABSTRACT

In this project we are implementing a Diabetic Retinopathy Detection System, which will be used primarily in medical institutes to detect and classify various stages of Diabetic Ratinopathy. This project will have primarily three main Users that would be Admin, Doctor and Patient. The complete system revolves around two users – Doctor and Patient. We are using dataset from Kaggle to train the system using Python and for main users like admin, doctor and patient UI would be web-based system designed and developed using HTML, CSS, JS, along with HOPE UI framework and Bootstrap 5. There will be a Web Application for DDR. Main Goal of the project is to automate the screening process of detection of diabetic ratinopathy. Project has 5 main modules, 1. Training, 2. Testing, 3. Admin Portal, 4. Doctor Portal, 5. Patient Portal through which all the task will be performed. Our system classifies Diabetic Retinopathy in 4 different.

Keywords:-Detect-DR, Web-Based, Classification, Diabetic Retinopathy, Fractal Analysis.

INTRODUCTION

Diabetic Retinopathy has been a major concern in India as India is leading diabetic country in world. There are multiple cases where Diabetic Retinopathy is detected in later stages of its infection and is difficult to treat. The Screening that is fully dependent on the doctor has to be made independent at some level. Detection of DR in early stages will literary save manyeyes.

DetectDR stands for Detect Diabetic Retinopathy. Diabetic Retinopathy is a complication related to diabetes that affects functioning of eyes. Diabetic Retinopathy is caused by damage occurred to the blood vessel of the tissue present at the back of eye which is light-sensitive.

There are four stages of Diabetic Retinopathy

Stage 1: Mild nonproliferative diabetic retinopathy.

Stage 2: Moderate nonproliferative diabetic

retinopathy.

Stage 3: Severe nonproliferative diabetic retinopathy.

Stage 4: Proliferative diabetic retinopathy Right Diabetic now Detection of Retinnopathy is done by Manual Screening, where an eye specialist takes the fundus image, analyses it and experience depending upon his/her diagnoses patient with Diabetic Retinopathy.

LITERATURE SURVEY

[1] Rajendra D. along with Kokate B., Vaibhav V. Kamble Implemented A System– "Automated Diabetic Retinopathy Using Radial Basis Function" To Automatically detect retinal image as non DR or DR based on radial basis function (RBF) neural network classifier.

Their experiment addresses to explore ophthalmic features such as exudates, blood vessels & micro aneurysms & also

Advancement in Image Processing and Pattern Recognition Volume 5 Issue 2 DOI: <u>https://doi.org/10.5281/zenodo.6618863</u>

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its segmented from retinal background using A-IFS histon based sementation method. This obtained features set which delivers to train RBF neutral network of the project. ROC-Receiver opration characteristics curve is plotted based on evaluated result obtained earlier. The projected experiment has been done on 89 DIARETDB1 & 130 DIRECTDB0 retinal images database by using rBF neural network.

[2] Farrikh Alzami, implemented "Diabetic Retinopathy Grade Classification Based on Fractal Analysis & Random Forest" along with Abdussalam, Rama Arya Megantara, Ahmad Zainul Fanani. In this paper, they presented diabetic retinopathy classification methods which classifying the healthy eyes and diseased pathologies eyes using fractal analysis as feature extraction and random forest is used as classifier.

FARRIKH then initially and team segmented the images obtained from the dataset, then they computed the fractal dimension as features of fundus image. After obtaining the features, they fed newly obtained features into random forest classifier. Their experiment used MESSIDOR dataset which contains normal, mild (only micro aneurysms is found),moderate

[3] Automated Diabetic Retinopathy Detection and Classification – this paper by Z.A.Omar, M Hanafi, S.Mashohor, N.F.M.Mahdudz, M. Muna'im proposed an algorithm that consists of DR detection method with the aim to improve the accuracy of the existing systems.

The methods used to detect Diabetic Retinopathy features namely hemorrhages, exudates and also blood vessels can be categorized into several stages. These stages are image pre- processing, vessel and hemorrhages detection, exudate detection and optic disc removal.

PROPOSED SYSTEM Dataset Training

We are using dataset from Kaggle for training our system.

This training is done in steps as follows:

• Take Fundus images from Dataset

• Remove Green Color Channel from those images & Perform Skeletonization on those images.

• Implement Fractal Analysis and store the analyzed data.

• Train System with newly analyzed data with classification types provided by Kaggle.

Dataset Testing

This particular module is used to test accuracy of our trained system. This module will closely work alongside dataset training module.

Admin Portal

Admin being the actual Super-User of entire system will have his/her own separate Dashboard to manage doctors i.e., add, update remove Doctors from the System.

Apart from managing Doctor Admin can also update his own profile, but Admin won't be allowed to manage Patients.

Doctor Portal

In this module doctor can manage patient accounts. If patient exists in the system (added by other doctor), then new patient won't be created.

Doctor would be able to upload the fundus images of patients and get appropriate classification of Diabetic Retinopathy.

Patient Portal

This module would be Read-Only Module of the system. Patients would only be able to check for results of Classification.



SYSTEM DESIGN



Fig.1:-System Architecture

In this system, if users interact with the system, then system send request to the web server and receive responses through the file system and database.

ALGORITHM

Custom Algorithm from entire Project of diabetic Retinopathy detection and its classification:

Step 01: Start

Step 02: Take Fundus images from Dataset Step 03: Remove Green Color Channel from Image to make them Grayscale

Step 04: Resize image to be 255px by 255px

Step 05: Perform Skeletonization i.e. Skinning and thickening on grayscale image

Step 06: Implement Fractal Analysis and store fractal

Step 07: Perform Step 02 to 06 for all images and store fractal analysis and dataset classification value in database

Step 08: Run all images with their fractal score and classifier through random forest for classification

Step 09: Once Doctor uploads new image for Detector Perform Step 2 to 6 and run through same forest to get classifier Step 10: End

CONCLUSION

As a result of increased infrastructure support for online web-based application

in the field of Medicine, we have implemented a classification system (Detect-DR) using fractal analysis and random forests for detection of diabetic retinopathy. This system will have 3 major portals for admin, doctor and patients as well. This system is designed in python for fractal analysis and classification.

FUTURE WORK

For future work, it would be beneficial integrate the system with Retina Scanner at Doctor, which will further reduce time of detection and classification. It would also be helpful to add a module to let patients know about their reports either on WhatsApp or via Text Message

ACKNOWLEDGEMENT

Entire team of Detect-DR wishes to thank those who gave us their invaluable time. We wish to extend our cordial gratitude with profound thanks to Prof. S. B. Shirke for his everlasting guidance, inspiration and encouragement which helped us in completing our project. This Project work is grateful to Prof. B. D. Thorat, Head of the Department of Computer Engineering for giving us the support that was helpful for implementation of this idea.

At last but not least we express our sincere thanks to MicroVersion Technologies for happily providing us the technical environment and infrastructure to successfully implement and build Detect-DR.

REFERENCES

- 1. Kamble, V. V., & Kokate, R. D. (2020). Automated diabetic retinopathy detection using radial basis function. *Procedia Computer Science*, 167, 799-808.
- Alzami, F., Megantara, R. A., & Fanani, A. Z. (2019, September). Diabetic retinopathy grade classification based on fractal analysis and random forest. In 2019 International Seminar on Application for Technology of Information and Communication (iSemantic) (pp. 272-276). IEEE.
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Mahfudz, N. F. M., & Muna'im, M. (2017, October). Automatic diabetic retinopathy detection and classification system. In 2017 7th IEEE International Conference on System Engineering and Technology (ICSET) (pp. 162-166). IEEE.

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CERTIFICATE OF PUBLICATION

We Acknowledge the Manuscript entitled

Detect-DR: Classification of Diabetic Retinopathy using Fractal Analysis and Random Forest

Submitted by

<u>Kajal S. Malusare</u>

has been published in

Advancement in Image Processing and Pattern Recognition

Volume 05 Issue 02 Year 2022

CERTIFICATE OF PUBLICATION

We Acknowledge the Manuscript entitled

Detect-DR: Classification of Diabetic Retinopathy using Fractal Analysis and Random Forest

Submitted by

<u>Poonam R. Yadav</u>

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Detect-DR: Classification of Diabetic Retinopathy using Fractal Analysis and Random Forest

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<u>Revati V. Yadav</u>

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Volume 05 Issue 02 Year 2022

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We Acknowledge the Manuscript entitled

Detect-DR: Classification of Diabetic Retinopathy using Fractal Analysis and Random Forest

Submitted by

<u>Sneha S. Pawar</u>

has been published in

Advancement in Image Processing and Pattern Recognition

Volume 05 Issue 02 Year 2022

2.2 Workshops For Encouraging Students



Ragad Disyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal - Bhor, Dist- Pune (Maharanhtra)

Criterion 2 - Teaching Learning & Evaluation

Key Indicator - 2.3.1 Teaching and Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing leaning experiences

Workshop For Encouraging Students Of A.Y.2021-2022

S.No	Title of Workshop/Webinar	Expert Speaker I Resource Person	Name Of Department	Duration
1	Workshop on, " Level-2 Skill Building Workshop"	Mr. Vipul Landekar	Civil Department	20/05/2022
2	Workshop on, " Introduction of AutoCAD Software"	Mr.Prajwal Gaikwad	Civil Department	36/03/2022
6	Workshop on "Software Testing"	Mr. Mosin Tamboli	Computer Department	12/04/2022 to 13/04/2022
7	Workshop on " Machine Learning"	Mr. Digambar Bodake	Computer Department	20/12/2021 to 21/12/2021
8	Engineer's Opportunity in Process Industries	Mr. Pramod Deshmukh, Mr. S. P. Singh	Department of Mechanical Engineering	12/06/2021
9	Recent Trends and Innovation in Human Computer Interface	Dr. G. D. Bhutkar	Department of Mechanical Engineering	13/01/2022



1



Workshop on "Hands on Training on Internet of thing using ESP32" Mr. Sangameshwar S. Kondre

Electronics & Telecommunication Engineering 15/11/2021 to 17/11/2021

to Prof. Dr. S. B.Patil

Preincipal Relationstantics Sin Chatraper Devices College of Rela-Diangrout, Pare 412206





Rajgad Dnyanpeeth's SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune -412205 (MS), India. Website: www.rajgad.edu in, Email Id: sescoe/a gmail.com

Date: 11th Nov2021

PERMISSION LETTER

To, The Principal, RajgadDnyanpeeth's Shri ChhatrapatiShivajirajeCollege of Engineering Dhangwadi, Pune

Subject: Permission for conducting threedays Workshop on "Hands-on Training on Internet of Things using ESP32" for third and final year students.

Respected Sir,

With reference to above subject, E&TC department is going to conduct a workshop on Hands-on Training on Internet of Things using ESP32" for final year students and faculty in the institute from 15/11/2021 to 17/11/2021at 7.00pm to 9.00pm.

The guest to conduct the workshop is Mr. Sangameshwar S. Kendre from PERI Solutions, Pune. He is working as Chief Technical Officer. He is also guest faculty in BITS Pilani, WILP Division. He had conducted 6 one week workshops and 5 guest lectures in different institutes and industries. He had 13 years teaching and 5 years industry experience.

IOT is today's technology. Student get awareness of IOT technology and can create their interest in same. Now a days ESP32 is using in industry for automation purpose. This workshop is also useful to students for placement purpose.

So I request you to give the permission to conduct a workshop on Hands-on Training on Internet of Things using ESP32 and sanction the remuneration Rs. 5000/-. Please do the needful.

Thanking you, Yours Sincerely

Prof. S.Y.Tule

Event Co-Coordinator

Nipanikar Prof. Dr.S.

Event Coordinator



Prof. T. M. Dudhane

HOD E& TC Head of Department Dept. of Eh. TC Engineering Shri Chh. Shivajiraja Lollege of Engg. Dhap-gawadi. Puse 412266

Remark:



Rajgad Dnyanpeeth's SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune -412205 (MS), India. Website: www.rajgad.edu.in, Email Id: scscoe@gmail.com

Ref.: RD/SCSCOE/DA/2020-2021/ 02

Date: 08/10/2021

INVITATION LETTER

To, Mr. Sangameshwar S. Kendre Chief Technical Officer, PERI, Solutions, Pune

Subject: Invitation for conducting 3 Days workshop on "HANDS ON TRAINING ON INTERNET OF THINGS USING ESP32".

Dear Sir,

Our department of Electronics and Telecommunication Engineering is going to organise a 3 Days online workshop on "'HANDS ON TRAINING ON INTERNET OF THINGS USING ESP32" from 11th Oct to 13th Oct 2021 for faculties and students of TE and BE of Electronics and Computer department.

Considering your expertise and experience in the same field, it gives us immense pleasure to invite you as a guest speaker for above said online workshop.

Kindly, accept the invitation and acknowledge the same.

Thanking You.

Yours truly,

Prof. S. Y. Tule Event Coordinator

Prof. Dr. S. I. Nipanikar

Event Coordinator

10/2021

Dudhane Prof

Head of Department Dept. of E& TC Engineering Chiatrapati Shivajiraje College of Eng Shiri Chin. Shivajiraje College of EnggDhangawadi, Pune-412206 Dhangawadi, Pune-412206

Prof. Dr. S. B. Patil





Invitation for 3 Days Workshop of Hands On Training On Internet Of Things Using Esp32

2 messages

Sanjay Nipanikar <sin rdto@gmail.com> To kendresangam [] Gegmail.com

Fri, Oct 08, 2021 at 10:05 AM

Respected Sir,

As per our telephonic conversation I am sending the invitation letter of our program.Kindly accept the same

Thanking you

Regards, Prof. Dr. S. I. Nipanikar Associate Professor Electronics and Telecommunication Shri Chhatrapati Shivajiraje College of Engineering

2 attachments



Brochure.pdf 2 150K

Sangameshwar Kendre-kendresangam11@gmail.com> To: Sanjay Nipanikar <sin rdto@gmail.com>

Thank you sir for Invitation. We will start session on time

Regards, Mr. Sangameshwar S. Kendre Chief Technical Officer. PERI, Solutions, Pune

https://mail.google.com/mail/u/0/%k=c/ba0do6c2&view=p6&search=all&permihid=thmad=a%3Ar-6406313862906889331&aimpl=mag=a%3Ar-6398051.

Fri, Oct 08, 2021 at 10:28 AM





Rajgad Dnyanpeeth's SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune

DEPT. OF ELECTRONICS AND TELECOMMUNICATION ENGG.

Date: 9th Oct 2021

NOTICE

Greetings to all !!

On the behalf of Department of Electronics & Telecommunication Engineering, all are cordially invited to join the 3 days workshop on 'HANDS ON TRAINING ON INTERNET OF THINGS USING ESP32' by Mr. Sangameswar S. Kendre (Chief Technical Officer, PERI, Solutions, Pune) for both Students and Faculties.

Date: 11/10/2021 to 13/10/2021 at 7.00 pm to 9.00 pm.

Student Coordinator: Manthan Pawar (9822583871) Faculty Coordinators : Dr. Sanjay I. Nipanikar (8459909962) Ms. Shraddha Y. Tule (7588594934)

Head of the Department: Prof. T. M. Dudhane



Notice on Social Media

Greetings to all!!

Join us in the Live 3 Days Workshop on 'HANDS ON INTERNET OF THINGS USING ESP32' by Mr. Sangameswar S. Kendre (Chief Technical Officier, PERI, Solutions, Pune) for both Students and Faculties.

Organised by Department of Electronics & Telecommunication of Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering, Dhangwadi, Pune, Maharashtra.

Date: 11/10/2021 to 13/10/2021 at 7.00 pm to 9.00 pm.

Workshop Content:

- · IOT Architecture, building blocks,
- · Things in IOT, Terminology end nodes/sensor nodes
- · Gateways servers/cloud platforms, Applications of IOT
- Introduction of ESP32 platform
- Installing ESP32 in Arduino IDE
- · Digital Inputs and Outputs- Interfacing of LED, Switch
- · Interfacing of IR sensor
- · Interfacing of PIR Motion Sensor
- · Pulse-Width Modulation (PWM)
- · Reading Analog Inputs: Interfacing of moisture sensor
- Interfacing of DHT11
- ThingspeakIoT Cloud platform
- Post Humidity and Temperature Data to ThingSpeak

You will receive E- certificate after successful participation and feedback.

Link to registration: https://forms.gle/rNwPiFxn9DMctncE6

Please join the workshop through Google Meetlink given below: Video call link: https://meet.google.com/ztj-ipke-akr

Faculty Coordinators : Dr. Sanjay I. Nipanikar (8459909962) Ms. Shraddha Y. Tule (7588594934)

Student Coordinator: ManthanPawar (9822583871)

Head of the Department: Prof. T. M. Dudhane

Principal : Prof. Dr. Sanjay B. Patil

Website: www.rajgad.edu.in





Shri Chhatrapati Shivajiraje College of Engineering, MAAC Kajgad Dnyanpeeth's

Presents A 3 Days Workshop on

Hands on Training Internet of Things using ESP32



Speaker

Chief Technical Officier **PERI Solutions, Pune** Mr. S.S. Kendre

Student Coordinator: Manthan Pawar

(9877583871)

Prof. Dr. S. I. Nipanikar Faculty Coordinators: Mrs. Shraddha Y. Tule

Both Students & Faculties can attend the workshop.

Course Content:

- IOT Architecture.
- Gateways servers/cloud platforms.
- Applications of IOT.
- Introduction of ESP32 & Installing ESP32 in Arduino IDE.
 - Digital Inputs and Outputs- Interfacing of LED, Switch.
- Interfacing of IR sensor and PIR Motion Sensor.
- Pulse-Width Modulation (PWM)

Registration link: https://forms.gle/rNwPiFxn9DMctncE6

Time: 7 pm to 9 pm Google meet link: https://meet.google.com/ztj-ipke-akr Date: 11th to 13th Oct 2021,

E-certificate will be available **Structure Structure** and the available **Structure** and the available **Structure Structure Struc** Prof. Dr. Sanjay B. Patil HajgadDnywopenth's



SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF

ENGINEERING

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal - Bhor, Dist-Pune (MH)

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGG

Webinar Report on "Hands On Training On Internet Of Things Using ESP 32"

Date: 20/10/2021

- 1. Program type: Webinar
- 2. Event Name: Hands On Training On Internet Of Things Using Esp32
- 3. Attendees: Students and Faculties
- 4. Name and Designation of Resource Person : Mr. Sangameshwar S. Kendre, Chief Technical Officer
- 5. Company / Institute of Resource Person: PERI, Solutions, Pune
- 6. Event coordinator: Prof. Dr. S. I. Nipanikar, Prof. S. Y. Tule
- 7. Date of Execution: 11/10/2021 to 13/10/2021
- 8. Duration of Event: 3 Days
- 9. Venue of event / Link: https://meet.google.com/zti-ipke.akr
- 10. Number of Participants: 45
- 11. Fee details: Free
- 12. Objectives: The objective of the Course is to create awareness among participants

along with hands-on experience regarding concepts of Arduino input output functions, Arduino time, display, sensor, communication and its applications.

13. Outcomes:

14. Description (program conduction details) / speaker topic explanation:

Department of Electronics and telecommunication organized online Add on Course on "Introduction and Application of Internet of Things" on 11/10/2021 to 13/10/2021 for TE, and BE E&TC students to give information about Internet of Things.

IoT opens ways to a sea of valuable data through analysis, real-time field data, and testing. The Internet of Things also improves the current devices in power, precision, and availability. IoT focuses on creating systems rather than just equipment Arduino is an open-source and prototype platform that is based on software and hardware. It is easy to use. Arduino is the overall microcontroller motherboard and it has ready-made software called Arduino IDE (Integrated Development Environme nt), this software is used to write and upload the computer program code to the physical board.





RaigadDayanpeeth's SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal - Bhor, Dist- Pune (MH)

Internet of Things (IoT) is one of the most exciting trends and innovation in the recent history of technological advancement covering wide range of applications like healthcare, entertainment, appliances control & amp, utility services, security, defense, traffic management, transportation, home & amp, industrial automation, remote monitoring, smart citics, smart forming, smart grid etc. IoT is the network of physical devices accessed through the Internet. IoT market is likely to experience year-on-year growth, rising to more than 50 billion devices which will be digitally connected across the globe by 2020.

15.Conclusion: In conclusion, Internet of Things is the concept in which the virtual world of information technology connected to the real world of things. The technologies of Internet of things such as RFID and Sensor make our life become better and more comfortable, that helps in their knowledge and gain some new skills for getting some worthy job opportunities.

16. Photos with caption



Mr. Sangameshwar Kendre guiding students and faculties





RajgadDayanpeeth's SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal - Bhor, Dist- Pune (MH)



Mr. Sangameshwar Kendre explaining ESP32 Board

Prof. S. Y. Tule

mal Prof. Dr. S. I. Nipanikar

(IN) Dhave

VALO Prof. Dr. S. B. Patil

Prof. T.M. Dudhane

Coordinator

19

Coordinator

Head of Bepartment Dept. of L& TC Engineering Dhanqawadi, Press #17114

Principal Rajgad Dityanpeeth's shiri Chin, Shivajiraju, Coffege (Shiri Chinatrapati Shivajiraje College - 1 Dhangawadi, Pune-412206

Principal





Sanjay Nipanikar <sin.rdtc@gmail.com>

Invitation for 3 Days Workshop of Hands On Training On Internet Of Things Using Esp32

2 messages

Sanjay Nipanikar <sin.rdtc@gmail.com> To: kendresangam]1@gmail.com

Fri, Oct 08, 2021 at 10:05 AM

Respected Sir,

As per our telephonic conversation I am sending the invitation letter of our program. Kindly accept the same

Thanking you.

Regards, Prof. Dr. S. I. Nipanikar Associate Professor Electronics and Telecommunication Shri Chhatrapati Shivajiraje College of Engineering

2 attachments



Brochure.pdf

Sangameshwar Kendre<kendresangam11@gmail.com> To: Sanjay Nipanikar <sin.rdtc@gmail.com>

Thank you sir for Invitation. We will start session on time.

Regards, Mr. Sangameshwar S. Kendre Chief Technical Officer, PERI, Solutions, Pune

Sanjay Nipanikar <sin rdtc@gmail.com> To_kendresangam11@gmail.com

Respected Sir

On behalf of the Department of E&TC Engineering of RD's Shri Chhatrapati College of Engineering Dhangwadi, Pune, we wanted to express our appreciation to you for the 3 days workshop on "HANDS ON TRAINING ON INTERNET OF THINGS USING ESP32" from 11/10/2021 to 13/10/2021. It was extremely informative and we appreciate your personally taking time to provide us with the timely information. Definitely all the participants have benefited from your talk and we are very much thankful to you for making it convenient to be here at our place.

Once again, thank you for making the workshop successful, and we appreciate your continued support in future.

Regards, Prof. Dr. S. I. Nipanikar Associate Professor Electronics and Telecommunication Shri Chhatrapati Shivajiraje College of Engineering

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331&simplemsg a%3Ar 6398051.

Fri, Oct 08, 2021 at 10 28 AM

Wed, Oct 13, 2021 at 02:35 PM

Attendance & Feedback for 3 Days Workshop on "HANDS ON TRAINING ON INTERNET OF THINGS USING ESP32"

Dear participants, thank you for attending the Workshop. Please provide your feedback. You will receive an E-certificate after submitting this form.

· Required

1. Email*

2. Full Name of Participant (to be displayed on e-certificate) *

3. Mobile number (10 digit) *

4. Participants *

Mark only one oval.

Student

Staff

5. Name of Department *



6. Year

Mark only one oval.

SE TE BE

7. Roll No.

Please provide your feedback according to the following rating scale: 1-Poor, 2- Fair, 3- Average, 4- Good, 5- Excellent.

8. Has the speaker possess deep knowledge of topic explained in session? *

Mark only one oval.

1 2 3 4 5

 Did the session/ course fulfill your Professional/ Personal objectives? How far did the session meet your expectations? *

Mark only one oval.

1 2 3 4 5


10. How was communication skill and content delivery of speaker? *

Mark only one oval.

1 2 3 4 5

11. Has the session found helpful and increased your knowledge related to topic? *

Mark only one oval.

1	2	3	4	5

12. How was overall learning experience of the session? *

Mark only one oval.

100

1 2 3 4 5

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2.3 Group discussions to Promote Communication skills



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Shri Chhatrapati Shivajiraje College of Engineering Dhangwadi, Tal-Bhor, Dist. – Pune – 412206.

Department of Computer Engineering

Date: 11-10-2021

All the students of T.E are hereby informed that Computer Department has organized a Group discussion on "Social Media: Impact on Human Behavior and Society" on 11th of October 2021. Group discussion activity will be taken in batches. Attendance is compulsory to all for this activity

Faculty Coordinate: Mrs. Ashwini Nawadkar

Head of Department Prof. B. D. Thorat



1

Group Discussion

Topic name: "Social Media: Impact on Human Behavior and Society" Class: T. E. (Computer)

Time: 1:00 p. m to 3:00 p. m

Point Discussed:

- 1. Interaction
- 2. Mass awareness
- 3. Marketing
- 4. Campaigning
- 5. Negative effects of social media Privacy breach
- 6. Failure to distinguish between real and fake
- 7. Deteriorated productivity
- 8. Cyber-Bullying
- 9. Addiction

On 11th October 2021, Group Discussion was conducted on the topic "Social Media: Impact on Human Behavior and Society". At the beginning of the session everybody seemed hesitant in expressing their opinion but soon the discussion picked up the pace and the purpose of the discussion, which was to encourage students to speak up and boost their confidence, was fulfilled.

The discussion was between groups, First group chose to highlight thepositive impact of social media, Second group comprised of students who perceived negative impact of social media and the third group was the neutral group that apprised about both the benefits and challenges of social media.

Points discussed in the favor of the topic were like "it makes people broad minded, helps in expanding knowledge, makes easy to find jobs, promotes digital marketing, access to more information and enhances social connectivity & communication". The views against the motion were "leads to false trap, self- obsession and materialism, means of spreading fake news and promotes gossips, trolling and addiction".

Lastly, we tried to draw attention of the students to summarize and conclude the GD highlighting all the important points' discussed by all the groups.



Social Media: Impact on human behavior and society Positive effects of social media Interaction

Social media has made communication a lot easier than ever before. Now, with a touch of a batton people could communicate with anybody anywhere in the world. Websites such as Facebook make communication with others an easy task. It also allows users to abare pictures, express views on several different topics, and interact and bond with people from different origins and cultures. Thus diminishing cross country barriers and helping them globalize through the virtual space.

Mass awareness

One of the significant impacts of social media is the tremendously increased awareness of the masses in the context of the news and happenings going all around the world because the internet spreads news and reviews more rapidly than any other mode and social media makes them do so. Right from political news to social movements to news about famous personalities, everything gets communicated much faster and easier here. As a consequence, people are getting more aware and updated on everything.

Marketing

Social media has become the next big thing for marketing by companies. People from almost all age groups are available on social media and rather than using traditional marketing techniques of TV and print ads, marketers are now shifting the focus on social media to target customers. Small businesses also are able to gain from this since this kind of marketing requires little investment in comparison to traditional marketing. Social media has also made mass customization possible. The customers get to see only those products which are relevant for them, based on their search patterns and previous purchases. This is also helping them save their precious time and they can choose from a variety of options and get the products delivered to their doorstep.

Campaigning

Governments of many countries are leveraging social media to engage with the entizens and to gamer their support, suggestions, and views on policies for effective governance. It can be used to create a particular sentiment amongst the public. The utilization of social media for the general election by Prime Minister Narendra Modi played an imperative role in his success.



Negative effects of social media Privacy breach

It has been observed that as people are getting more open about their personal lives on social media networks, there has been a serious threat to their privacy. Their personal data can be easily hacked and misused. A case in point is the recent case where a researcher linked to Cambridge Analytical (CA), a political consulting firm had accessed the details of 50 million Facebook users. The data was shared with Cambridge Analytical, which used online data to reach voters on social media with personalized messages and swayed the 2016 US elections.

Failure to distinguish between real and fake

It has been generally observed that with the ability to share things with millions of people across the globe, people start faking things about their real life. While everyone wants to present their best in front of the world, they simultaneously face an identity crisis with themselves. The competition to look good and show good and continuous comparison also results in stress, depression, and various psychological disorders especially amongst teenage users.

Deteriorated productivity

Research by Nucleus Research stated that Facebook adds to 1.5% of the total office productivity across the globe. As suggested by the report, people spend most of their productive time interacting on social media and this has adversely related to their productivity at work. While many businesses are using social media to boost their businesses, they are also a great distraction for the employees who may be more interested in their friends rather than at work.

Cyber-Bullying

This is really a serious issue when many people unintentionally fall prey to terrorist activities, false claims, and cybercrime tending to the extent of even provoking kids and teenagers to commit suicides.

Addiction

One of the most prominent ill effects of social media is that of addiction. According to a survey, internet users are now spending an average of 2 hours and 22 minutes per day on social media platforms. From checking Facebook while waiting in the billing counter to posting photos on Instagram during eating – people have been spending quite a lot of their time on social media. This addiction has negative health impacts like strain, eye problems, fatigue, distraction, experiment.

We can conclude that with advancements in the digital space, social media is of significant importance to us. It can help us reach a wider audience at a low cost, gain knowledge at our fingertips, enhance our communication, and create awareness. But it also has its own threats of privacy breach, addiction, cyberbullying amongst others. Excessive engagement in social media is an invitation to several vices however if used judiciously, it can be a boon for mankind.





Prof. A. R. Nawadkar (Program Coordinator)



Cont Prof. B. D. Thorat (H. O. D) Head of Department Dept. Computer Engineering Shri Chh. Shivajiraje College of Enga Dhangawadi, Pune-412206



2.4 Webinar /Seminar/Guest Lecture to Build Students Confidence

Raigad Departure in

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pane Mangalore Highway, Dhangewali, Tai - Blue, Dist-Pane (Maturachiry)

Criterion 2 - Teaching Learning & Evaluation

Key Indicator - 2.3.1 Teaching and Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing leaning experiences

Webinar/Seminar/Guest Lecture For Encouraging Students Of A.Y.2021-2022

S.No	Expert Lecture Topic Name	Expert Speaker J Resource Person	Date of Conduction	Name Of Department
1	Webinar, "Empowerment of Professional skills"	Mrs. Tusharika Limaye	19/11/2021	Civil
2	Webmar on, "Email Writing & Professional communication skills"	Mrs.Tusharika Limaye	13/04/2021	Civil
3	Seminar on Functioning of Slip-Fornwork techniques	MR.Subhodh Sunil Potnis	17/11/2021	Civil
4	Guest lecture on Rapidally & Gradually Varied Flow	Prof. D. K. Khopade	20/11/2021	Civil
5	Guest lecture on Design of Rectangular & Square Water Tank	Prof. Abhijeet A. Galatage	27/11/2021	Civil
-6	Guest lecture on Design of Industrial Steel Structure	Prof A.P Khatri	18/11/2021	Civil



1

7	Design of Machine Elements	Dr. P. D. Darada	04/12/2021	Mechanical
8	Heating Ventilation & Air Conditioning	Dr. Shivaji Malonkar	36/11/2021	Mechanical
9	Guest Lecture on "Web Technology Lab"	Mr. Prantod Paril	13/09/2021	Computer
10	Seminar on "Computer Network"	Mes. Prachi Desai	07/03/2022	Computer
11	Guest Lecture on "Python Programming"	Mr. Shailesh Patil	11/01/2022	Computer
12	Guest Lecture on " Block chain Technology"	Mr. Gajanan Bhole	13/12/2021	Computer
13	Seminar on "Electrical Vehicles & Batteries"	Mr.Suresh Ubhe	26th Nov.2021	E&TC
14	Webinar on "Cutrent Industry Trends"	Mr.Sachin Mali	24th Nov 2021	E & TC
15	Webinar on "Machine Learning & Its Applications"	Mr. Rushikesh Gite	24/09/2021	E & TC
16	Guest Lecture on "Electrical Vehicles &	Mr.Suresh Ubbe	20/10/2021	E & TC

Prof. Dr. S. B.Patil

Principal Répré Dopușanti's Sin Champer Christinie College of Long. Dingewad, Fane-412206





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SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pane Mangalore Highway, Dhangewali, Tai - Blor, Dist. Pane (Matoriality)

Criterion 2 - Teaching Learning & Evaluation

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3	Seminar on Functioning of Slip-Formwork techniques	MR.Subhodh Sunil Potnis	17/11/2021	Civil
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6	Guest lecture on Design of Industrial Steel Structure	Prof A.P Khatri	18/11/2021	Civil



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7	Design of Machine Elements	Dr. P. D. Darada	04/12/2021	Mechanical
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15	Webinar on "Machine Learning & Its Applications"	Mr. Rushikesh Gite	24/09/2021	E & TC
16	Guest Lecture on "Electrical Vehicles &	Mr.Suresh Ubbe	20/10/2021	E & TC

Prof. Dr. S. B.Patil

Principal Répré Dopușanti's Sin Champer Christinie College of Long. Dingewad, Fane-412206





RajgadDnyanpeeth's Shri ChhatrapatiShivajiraje College of Engineering Dhangwadi, Tal-Bhor, Dist. – Pune – 412206.

Department of Computer Engineering

Date- 09/09/2021

NOTICE

All T.E and B.Estudents are hereby informed that Computer Department has organized a Guest Lecture on "Web Technology Lab" on 13th of September 2021 at 11:00 am to 1:00 pm and 2:00 pm to 4:00 pm.

Note:

- 1. Guest Lecture will be online
- 2. Attendance is mandatory to all
- 3. Guest Lecture will start and end as per schedule time.

Prof. / Nawadkar

Guest Lecture Coordinator



BIL

Prof. B. D. Thorat

H. O. D Head of Department Dept. Computer Englecering Shri Chh. Shivajiraje College of Engg. Dhangawadi, Putter 412200





RajgadDnyanpeeth's Shri ChhatrapatiShivajiraje College of Engineering Dhangwadi, Tal-Bhor, Dist. - Pune - 412206.

INVITATION LETTER

Date- 09/09/2021

To

Mr. PramodPatil

Web Mines It Solution,

Pune.

Subject:Invitation for conducting Guest Lecture on "Web Technology Lab" Respected sir,

This gives Department of Computer Department of SCSCOE, great pleasure to request you to conduct Guest Lecture on "Web Technology Lab" for T. E and B. E. students of SCSCOE in RDTC-SCSCOE, Dhangawadi.

We will be thankful to you if you can schedule on 13th of September 2021.

Waiting for your positive reply.



CBM Prof. B. D. Thorat (H. O. D)

Head of Department Dept. Computer 1 -......... Shri Chh. Missajire are of Cogn Dhangawadi, I. I........





RajgadDnyanpeeth's Shri ChhatrapatiShivajiraje College of Engineering Dhangwadi, Tal-Bhor, Dist. – Pune – 412206.

PERMISSIOM LETTER

Date- 09/09/2021

To,

The Principal,

RD's SCSCOE,

Dhangawadi, Bhor.

Subject:Regarding permission of Guest Lecture on Web Technology Lab& Sanctioning of remuneration.

Respected sir,

Computer Dept. is going to conduct Guest Lecture on "Web Technology Lab" for T. E and B. E. students.

Mr. PramodPatilhas been invited as a speaker for the lecture of Computer engineering student. The lecture will be held in his presence. He will deliver the lecture on following day and date.

Sr. No.	Day	Date	Subject	Class
1.	Monday	13-09-2021	Guest Lecture on Web Technology Lab	T. E. AND B. E. (Computer)

Kindly Sanction the remuneration of total amount Rs. 2000/-

Thanking you.

Prof. A. R. Nawadkar

Coordinator

Remark

CODI-Prof B. D. Thorat

HOD Head of Department Dept. Computer Engineering Shri Chh. Shivajiraje College of Engin Dhangawadi, Pune-412206

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RajgadDnyanpeeth's Shri ChhatrapatiShivajiraje College of Engineering Dhangwadi, Tal-Bhor, Dist. - Pune-412206.

CONDUCTION LETTER

Date-09/09/2021

To

Mr. PramodPatil

Web Mines It Solution,

Pune

We express our immense gratitude for having you at our college to conduct a fabulous Guest Lecture on "Web Technology Lab". It was our pleasure for having a person like you at our institute. We take this opportunity to tell you this with pride that our studentthoroughly enjoyed your entire sessions. We would like to know if you ever need our support.

Thank You so much.



BBY Prof. B. D. Thorat (H. O. D)

Head of Department Dept. Computer Englanding Shei Chh. Shivajiraja Cullege of Enge Dhangawadi, Punt-411206





RajgadDnyanpeeth's Shri ChhatrapatiShivajiraje College of Engineering Dhangwadi, Tal-Bhor, Dist. - Pune - 412206.

REPORT OF GUEST LECTURE ON WEB TECHNOLOGY LAB

TOPIC "GUEST LECTURE ON WEB TECHNOLOGYLAB"

DAY DATE 13/09/2021

DURATION OF EVENT 11:00 am to 1:00 pm and 2:00 pm to 4:00 pm.

OBJECTIVE

- 1. Provide student a conceptual overview of Web Technology Lab.
- 2 Understand and use essential technique of Web Technology Lab.

SUMMARY

The guest lecture has started with Mr. PramodPatilbriefing the students about Web Technology Lab and then provided the students with some free sources and sites from which they can get more information about the topic and probably can make something good out of it. Prof B. D. Thorat(Head of Department) welcome the Guest Mr. PramodPatil.

The lecture covered the basic techniques that help students to build and apply prediction function with an emphasis on practical applications.

The course outcome of the guest lecture:

- 1 Familiarize the functional/operational aspects of Web Technology Lab.
- 2. Understand emerging concepts of Web Technology Lab.

In his lecture he discussed about the present trends in web technologies and emphasized the importance of core java programming and JSP. He also explained the students what are the concepts that the present software companies are looking for and he has given a brief overview of the importance of MVC1 and MVC2 architectures how they can be used, along with the design patterns. He also has given an introduction about the Android applications with live execution. Finally he discussed about the basic concepts that any one should know to start a research in web technologies





Prof. A. R. Nawadkar Co-ordinator



BD-Prof. B. D. Thorat HOD Head of Department Dept. Computer Engineering Shri Chh. Shivajiraje College of Engg. Dhangawadi, Fune-412206





RajgadDayanpeeth's Shri ChhatrapatiShivajiraje College of Engineering

Dhangwadi, Tal-Bhor, Dist. - Pune - 412206.

Guest Lecture on "Web Technology Lab",

Student Feedback Form

Students are required to rate the course on the following attributes using the 4 -point scale shown.

Course: [tick (*) in the relevant cell]

	Parameters	A Very Good	B Good	C Satisfactory	D Unsatisfactory
L	Overall rating of the course content		-		
2	Course objectives were clear	~	-		
3.	Clarity and relevance of textual reading material		-		
4.	The teacher was effective in communicating the content of the course	-			
5.	The teacher responded to questions in an informative, appropriate and satisfactory manner.		-		
6.	Do you have any suggestions for future workshops that you would like us to organize?	NO			
7.	Would you recommend this course to other students?	YES.			1.1.1
Any	Other Comments-				

Thank you for participating, we appreciate your feedback1111111





Rajgad Dayanpeeth's SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune

DEPARTMENT OF COMPUTER ENGINEERING

G-L-CN

Academic Year:

TE

Attendance Sheet

Class:

Subject :

Date:

Sr. No	Roll No.	Student Name	Signature
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Rajgad Dnyanpeeth's SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune

Webinar On "CURRENT INDUSTRY TRENDS"

(24th November 2021)

Organized By

Department of Electronics and Telecommunication Engineering

In association with

Savitribai Phule Pune University Pune, India



RajgadDnyanpeeth's SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune -412205 (MS), Website: www.rajgad.edu.in, Email Id: sescoe@gmail.com

Ref. No. SCSCOE/ 2021 -22/

Date: 23/11/2021

PERMISSION LETTER

To, The Principal, Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering Dhangwadi, Pune

Subject: Permission for conducting Webinar of "Current Industry Trends"

Respected Sir,

We would like to conduct a webinar on "Current Industry Trends" for faculties and students of our Institute on 24th Nov 2021, by Electronics and Telecommunication Engineering department.

The main objective of the program is to guide faculties and students about new trends arise in industry every year. It is important for professionals to be familiar with these different trends to improve professional standing and can help one to understand what the potential upgrades are for the industry.

The guest speaker will be Mr. Sachin Mali, Programme Delivery Manager having 16+ IT industry experience from Tata Consultancy Services, United Kingdom He has completed BE E & TC from Dr. Babasaheb Ambedkar marathwada University, Aurangabad

It gives us great pleasure to invite him as a guest speaker for above said lecture. Kindly, allow us for the webinar and sanction the remuneration amount of Rs. 3000/-.

Thanking You. Yours truly.

Prof. P. S. Gham Event Co-Coordinator

Remark:

Prof. R. S. Nipanikar Event Coordinator

Prof. T. M. Dudhane

HOD E&TC



RajgadDnyanpeeth's



SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune -412205 (MS), India. Website: www.rajgad.edu.m, Email Id: sescoe/nemail.com

Ref.: RD/SCSCOE/DA/2021-2022/ 04

Date: 23/11/2021

INVITATION LETTER

To, Mr. Sachin Mali **Program Delivery Manager** Tata Consultancy Services, United Kingdom.

Subject: Invitation for conducting webinar on "Current Industry Trends" on 24th Nov 2021.

Dear Sir,

Our department of Electronics and Telecommunication is going to organise a Webinar on"Current Industry Trends" on 24th Nov 2021 from 11.00 am to 12.30pmfor faculties and students of the Institute.

Considering your expertise and experience in the same field, it gives us immense pleasure to invite you as a guest speaker for above said webinar.

Kindly, accept the invitation and acknowledge the same.

Thanking You.

Yours truly,

Prof. P. S. Gham **Event Co-Coordinator**

Prof. R. S. Nipanikar **Event Coordinator**

Milikaue

Prof. T. M. Dudhane of Denartment

Prof. Dr. S B. Patil

Dept. of Da TE Engineering i Chhatrapati Shivajiraje College of Engg. Shri Chh. Shivajiraje Toflege of Engg Dhangawadi, Pune-412206



Guail - Invitation for Webmay of "CLINDENT INDUSTRY TRENDS"



Rohini Nipanikar<ranipanikar@gmail.com>

Invitation for Webinar of "CURRENT INDUSTRY TRENDS"

3 messages

Rohini Nipanikar smipanikar agmail.com-To: sachin mali 1978 il genail.com

Tue Nov 23, 2021 at 12:28 PM

Dear Sir,

Our department of Electronics and Telecommunication is going to organise a Webmar on "CURRENT INDUSTRY TRENDS" on 24th Nov 2021for faculties and students of the Institute.

Considering your expertise and experience in the same field, it gives us immense pleasure to invite you as a guest speaker for above said webinar. Attached is the invitation letter and brochure.

Kindly, accept the invitation and acknowledge the same

Thanking You. Regards, Prof. R. S. Nipanikar Assistant Professor Electronics and Telecommunication Shri Chhatrapati Shivajiraje College of Engineering 2 attachments

Invitation Letter.pdf110K

Brochure.pdf

Sachin Mali <u>sachin mali 1978 ir gmail.com</u> To: Rohini Nipanikar</snipanikar/@gmail.com> Tue Nov 23, 2021 at 2:00 PM

Hello Ma'am

I am glad for the opportunity given by you for presentation of something new to students. I accept the invitation

Regards, Mr. Sachin Mali Program Delivery Manager Tata Consultancy Services United Kingdom.





Shri Chhatrapati Shivajiraje College of Engineering S.No.237, Dhangwadi, Tal-Bhor, Dist-Pune Rajgad Dnyanpeeth's ())



EPARTMENT OF ELECTRONICS & TELECOMMUNICATION Vebinar on "Current Industry Trends"



Speaker:

Mr. Sachin Mali

Programme Delivery Manager, TCS, UK.

Faculty Coordinators :

Prof. Mrs. R. S. Nipanikar

Prof. Mrs. P. S. Gham

E-certificate will be available atteredences ful participation & feedback. feedback. Head of Departmen a feedback of Departmen a feedback. Prof. T. M. Dudhane of the feedback of Dr. Sanjay B. Patil

Prof. S.D. Pasalkar

TPO:

Both Students & Faculties can attend the workshop.

Course Content:

- How to prepare for IT industry?
- Where students lag at the time of interview?
- What corporate companies expect from students before
 - and after selection?
- What you prepare for interview?
- Selection process of MNC companies.
- Current IT industry trends.
- College industry transitions.

Google meet link: https://meet.google.com/pbc-vanq-kpl Time: 11 am to 12.30pm Registration link: https://forms.gle/ZKVK8rB2xDVvG8Vv8 Date: 24th Nov 2021

Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College Of Engineering, organizes Webinar on "Current Industry Trends"

* Required

1. Email*

2. Full Name *

3. Contact Number *

4. College/Institute/Organisation *

5. Staff/Student *

Mark only one oval.

Staff

Student



6. Branch*

7. Class

Mark only one oval.

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RajgadDnyanpeeth's SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune

Date: 22-11-2021

NOTICE

All the Student and faculty members of RD's SCSCOE are informed that, Department of Electronics & Telecommunication Engineering is organizinga webinar on "Current Industry Trends" is scheduled on 24 Nov 2021 at 11.00am on Google meet.

Speaker for the session is Mr. Sachin Mali,Programme Delivery Manager having 16+ IT industry experience from Tata Consultancy Services, United Kingdom.

After Successful completion of the program & submission of feedback, participants will get e-certificates.

Registration Link: https://forms.gle/ZKVK8rB2xDVyG8Vv8 Meeting Web- https://meet.google.com/pbc-vanq-kpj

Fort

Prof. P. S. Gham Event Co-Coordinator

Prof. R. S. Nipanikar Event Coordinator

Prof. T. M. Dudhane

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SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal-Bhor, Dist-Pune (MH)

DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGG

Webinar Report on "Current Industry Trends"

Date: 24/11/2021

- 1. Program type: Webinar
- 2. Event Name: Current Industry Trends
- 3. Attendees: Students and Faculties
- 4. Name and Designation of Resource Person : Mr. Sachin Mali, Program **Delivery Manager**
- 5. Company / Institute of Resource Person: Tata Consultancy Services, United Kingdom.
- 6. Event coordinator: Prof. R. S. Nipanikar, Prof. P. S. Gham,
- 7. Date of Execution: 24/11/2021
- 8. Duration of Event: 2 Hours
- 9. Venue of event / Link: https://meet.google.com/pbc-vang-kpj
- 10. Number of Participants: 138
- 11. Fee details: Free
- 12. Objectives: The main objective of the program is to guide faculties and students about new trends arise in industry every year.
- 13. Outcomes: It is important for professionals to be familiar with these different trends to improve professional standing and can help one to understand what the potential

upgrades are for the industry.

- 14. Description (program conduction details) / speaker topic explanation: Rajgad Dnyanpeeth's Shri Chhatrapati College of Engineering Dhangwadi, Pune has conducted a webinar of "Current Industry Trends" on 24th Nov 2021 for faculties, TE and BE students to give information about recent industry trends. Some examples are as follows
 - a) IOT: The really cool thing about IOT is that it's not only changing the way we do business but also the business models we use to do it. For example, pay-peruse models are becoming increasingly popular across all industries as new customer data becomes available.





RajgadDnyanpeeth's SHRI CHHATRAPA'TI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal - Bhor, Dist- Pune (MH)

- b) Machine Learning-: In addition to shaping your day-to-day interactions with friends on social media, machine learning is also changing the way companies do business with customers. Companies like Google are using machine learning on mobile devices which can continue learning even when offline. The result? Machine learning is reshaping the way businesses interact with their customers in a big way by helping them anticipate and meet customer needs more easily.
- c) Virtual reality : Virtual reality has been a popular component of video games for several years and this trend is continuing to expand. In addition to video games, VR is likely to affect companies across the board as they adopt the technology to help them engage customers more effectively and optimize their sales and marketing efforts. It's also a potentially useful tool for learning and is increasingly being adopted by educational organizations.
- d) Touch Commerce: This is one of the biggest things to hit e Commerce in recent years with purchases of this type expected to increase by 150% this year alone and retailers in almost every industry anticipating an increase in sales directly related to this new technology.
- e) Cognitive Technology: Although cognitive technologies have a broad range of applications, one of the industry sectors most affected by this trend initially will be the software sector. Automated analysis of user data and experiences will be particularly useful for software companies hoping to scale.

And many more trends explained by resource person.

15. Conclusion: With emerging technologies changing professional industries including banking, eCommerce, healthcare and education, staying up to date on the latest trends will give you a better understanding of your chosen industry and make you a more competitive candidate. Best of all, this knowledge might open up new doors within your field and others.



SUSCREEME ALLAT STREAM


16. Photos with caption



Mr. Sachin Mali guiding students and faculties



Mr. Sachin Mali answering to student's question

Rahun Prof. P. S. Gham Prof. R. S. Nipanikar Prof. T.M. Dudhane Prof. S. B. Patil Event Coordinator Dept. of La TOP Scheering Event Co-coordinator Principal Shri Chi, Shivajiraja College of Engg. Rajgad Dayaapeeta's Shri Chi, Shivajiraja College of Engg. Dhongawadi, Pune-412206 Najitaje Co ۴. Donte

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Rohini Nipanikar<rsnipanikar@gmail.com>

Invitation for Webinar of "CURRENT INDUSTRY TRENDS"

3 messages

Rohini Nipanikar esnipanikar @gmail.com> To: sachin mah1978/digmail.com

Tue: Nov 23, 2021 at 12:28 PM

Dear Sir.

Our department of Electronics and Telecommunication is going to organise a Webinar on "CURRENT INDUSTRY TRENDS" on 24th Nov 2021 for faculties and students of the Institute.

Considering your expertise and experience in the same field, it gives us immense pleasure to invite you as a guest speaker for above said webinar. Attached is the invitation letter and brochure.

Kindly, accept the invitation and acknowledge the same

Thanking You

Regards, Prof. R. S. Nipanikar Sistant Professor Sectronics and Telecommunication Shri Chhatrapati Shivajiraje College of Engineering 2 attachments

Invitation Letter.pdf110K

Brochure.pdf 150K

Sachin Mali <sachin mali1978@gmml.com?

To. Rohini Nipanikar<rsnipanikar@gmail.com>

Hello Ma'am

I am glad for the opportunity given by you for presentation of something new to students. I accept the invitation.

Regards, Mr. Sachin Mali Sogram Delivery Manager Tata Consultancy Services United Kingdom.

Rohini Nipanikar<rsnipanikar@gmail.com>

To: sachin mali1978/d/gmail.com

Dear Sir.

On behalf of the Department of E&TC Engineering of RD's Shri Chhatrapati College of Engineering Dhangwadi, Pune, we wanted to express our appreciation to you for the Webinar on "CURRENT INDUSTRY TRENDS" on 24th Nov 2021 It was extremely informative and we appreciate your personally taking time to provide us with the timely information. Definitely all the participants have benefited from your talk and we are very much thankful to you for making it convenient to be here at our place.

Once again, thank you for making the webinar successful, and we appreciate your continued support in future.

Regards, Prof. R. S. Nipanikar Assistant Professor Electronics and Telecommunication Shri Chhatrapati Shivajiraje College of Engineering



Tue Nov 23, 2021 at 2:00 PM

Wed Nov 24, 2021 at 3:42 PM

Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College Of Engineering, organizes Webinar on "Current Industry Trends"

Feedback form for Attendance and Certification Purpose

- * Required
- 1. Email*
- 2. Full Name*
- 3. Contact Number *
- 4. College/Institute/Organisation *
- 5. Staff/Student *

Mark only one oval.

Staff

) Student



7. SE/TE/BE *

Mark only one oval.

C	SE
C	TE
C	BE
0	Others

Feedback Form

8. Course objectives stated clearly *

Mark only one oval.

1 2 3 4 5 Satisfactory Excellent

9. How helpful was the webinar for you? *

Mark only one oval.

1 2 3 4 5 Satisfactory Excellent



1- Satisfactory 2- Good 3- Very Good 4- Better 5- Excellent Overall how would rate the webinar? *

Mark only one oval.

	1	2	3	4	5
Satisfactory					Excellen

11. This webinar increased my knowledge? *

Mark only one oval.

	1	2	3	4	5	
Satisfactory						Excellent

12. The webinar was well organized?*

Mark only one oval.

1 2 3 4 5 Satisfactory Excellent

13. Any Suggestions

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Shri Chhatrapati Shivajiraje College of Engineering

Sr. No. 237, Dhangwadi, Tal. Bhor, Pune, Maharashtra



CERTIFICATE OF PARTICIPATION

This is to certify that,

More Priti Arvind

organized by Department of Electronics & Telecommunication Engineering, has successfully attended the Webinar on "Current Industry Trends" Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune on 24th November 2021.

Grant

Prof. P. S. Gham Co-Coordinator

Prof. R. S. Nipanikar Co-ordinator

Prof. T. M. Dudhane HOD, E&TC Engg. mappine

Prof. Dr. S. B. Patil Principal





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ESTC Engg.

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Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal- Bhor, Dist- Pune

Date: 14/03/2022

NOTICE

All faculty members of first year engineering department are here by inform that we are going to arrange Quiz Competition on 24/03/2022 on unit-III of each subject. In this concern submit the soft copy of 15 questions with four options and its correct solution to Prof. B.P. Tapare of FE department on or before 21st Mar 2022. Kindly forward soft copy of your question bank on tapare.rajgad11@gmail.com.

Sr. No	Subject	Name of Subject Teacher	Signature
1.	Engineering Mathematics-I	Prof. J. G. Kale	stale
	a strong transmitters 1	Prof. B. P. Tapare	Guip
2.	Engineering Physics	Prof. R. B. Raut	AL.
3.	Engineering Chemistry	Prof. A. K. Kondhalkar	hadwe
4.	Basic Electrical Engineering	Prof. T. M. Dudhane	AHUNE
5.	Engineering Mechanics	Prof. R. C. Divekar	Divekar
6.	System in Mechanical Engineering	Prof. D. B. Shelake	Develo

Prof. Tapare B. P. Departmental Quiz Coordinator

Shivajiraj chilatrap FE Dept ON * BUIN

Prof. Kale J.G.

HOD F.E Head of Department First Year Engineering Shri Chh. Shivajiraje College of Engg. Dhangawadi, Pune-412206



Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal- Bhor, Dist- Pune.

Date: 14 / 03 / 2022

NOTICE

All faculty members of first year engineering department are here by inform that on the occasion of Quiz Competition scheduled on 24/03/2022 at 3.00 P.M in seminar hall, the responsibilities in that event are distributed as follows.

Sr.No	Name	Responsibility	Signature
1.	Mr Gaikwad Rohit	Seating Arrangement (Arranging Chairs; Mike; Projector; Black board)	Roitia
2.	Prof. Y.G. Jadhav	Anchoring (Announcement of questions)	tal
3.	Prof. B. P. Tapare	Displaying PPT 's	apar
3.	Prof. R. B. Raut Prof. A. R. Bobade	Response checker in buzzer round	Digobale Digobale
4.	Prof. R. B. Raut	Updating division wise Score	est.
5.	Prof. J.G. Kale	Subject Expert of M-I	alake.
5.	Prof. R. B. Raut	Subject Expert of Physics and Mechanics	Sov:
7.	P. f. A.K Kondhalkar	Subject Expert of Chemistry	kudilit
3.	Prof. J.J Bandal	Subject Expert of BEE	lin
10.	Prof. D. B. Shelake	Subject Expert of SME	asure

Prof. Tapare B. P. Departmental Quiz Coordinator

Suivalitajen Co SallaDar FE Dept A BD

Prof. J. G. Kale

HOD (FE) Head of Department First Year Engineering Shri Chh. Shivajiraje College of Engg. Dhangawadi, Pune-412206



Date: 14/03/2022

NOTICE

All students of First Year Engineering hereby inform that, we are arranging "Quiz Competition on 24/03/2022 at seminar hall from 3.00 PM onwards.

Attendance is compulsory to all students.

Prof. Tapare B. P. Departmental Quiz Coordinator



Prof. Kale J.G. HOD F.E Head of Department First Year Engineering Shri Chh. Shivajiraje College of Engg Dhangawadi, Pune-412206



Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal- Bhor, Dist- Pune.

Department : First Year Engineering

RULES OF QUIZ COMPETITION 2021-22 (Sem-I)

	Buzzer Round – Eight questions in all
	> 8 questions will be fired at all the teams one after another.
	The teams can discuss among themselves and then press the buzzer/bell to answer the question first. No discussion is allowed after pressing the buzzer.
	The team that presses the buzzer/bell first gets a chance to answer it.
	> 10 points for the correct answer and minus 5 points for the wrong answer.
Round 1	If a team doesn't answer or gives a wrong answers after they press buzzer they also lose 5 points.
cound 1	If a team presses the buzzer before the question is over they will be asked to answer it without the question being completed.
	The question has to be answered in 30 seconds.
	If a question is not answered by the first team who pressed the bell. The team that pressed the bell next gets to answer.
-	> There are no choices in this round.
	If two teams press the buzzer/bell together there will be a pull of cards to decide who gets the chance to answer if. If the first team answers it correctly they get a point. If they give a wrong answer they lose 5 points and the next team that pressed the buzzer output to the points.
	 Compulsory Questions – Each team quota of 4 questions.
1	In this round each team has its own quota of 4 questions and other questions passed to it from the previous team that did not answer.
ound 2	A team gets 30 seconds to answer the question intended for it, and is awarded 20 points for answering it.
	If the team, the question intended for gives a wrong answer, the quiz mast gove will give the correct answer.

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1 20	If the team that the question intended for passes it. The next teams get 15 seconds to answer it and is awarded 10 points for the right answer.
	> The team members can discuss before giving the answer.
	If a team cannot answer a question they can pass it or after 30 seconds it gets automatically passed to the next team.
	If a team is answering a question and the time passes, then the team gets to complete the answer and is awarded points for the right answer.
	> There is no negative marking for wrong answer.
	No buzzer is used in this round
	Scholars Round - Each team quota of 4 questions.
Round 3	In this round each team has selected only scholars students they play the game.
1	Same rule as raound-2
	In case of a tie.
Pound 4	In case of a tie after the 4th round, the tied teams get into a buzzer/bell round.
Kound 4	Rules are similar to buzzer round.
	If a team answer right they get 25 points. If they answer wrong they get minus 25 points.





FE SYLLABUS QUIZ Acailemic Year: 2021-22 (Sem-1) DEPARTMENT OF FIRST YEAR ENGINEERING



M-I QUESTION NO.1

 $\operatorname{Sl}_{H} = \sin^{-1}\left(\frac{\sqrt{2^{1+p^{2}}}}{s+r}\right)$ is homogeneous function of degree

A1 112 C 12 0



 $\delta \hat{\pi} \hat{u} = a^{2}$, then $\frac{\partial u}{\partial r}$ is equal to

A. 0 D. 3x^{p-1} C. x¹legx D. None

MI QUESTION NO.3

of Two functions u(x, y) and u(x, y) are functionally dependent if their jacobian $\frac{\psi(x, y)}{\psi(x_0)}$ is equal to

A. 1 B. 0 C. 19 D. uv



on With usual notations, the condition of maximum for function of two variable is

A. $rt - s^2 < 0$ and r > 0F. $rt - s^2 = 0$ and r > 0C. $rt - s^2 > 0$ and r < 0D. None



EXTRA M-I QUESTION NO.5

Eff If $u = x^2 + y^2$ and v = 2xy then the value of $\frac{\partial(x,y)}{\partial(x,y)}$ is

A. $4(x^2 + y^2)$ B. $-4(x^2 + y^2)$ C. $4(x^2 - y^2)$ D. 0

EXTRA M-I QUESTION NO.6

of The percentage error in the area of a rectangle when an error of 1 % is made in measuring it's length and breadth is

A 1% A 2% C 0 D.3%

SME QUESTION NO.7

ce Connecting rods are generally of following form______

A. Forged I section

- **B.** Forged round section
- C. Cast iron round section
- D. Forged C section

SME QUESTION NO.8

138 When No.1 piston of 4 cylinder inline engine is performing the power stroke then No.4 piston is on the stroke called ______

A. exhaust B. Suction C. compression D. power

SME QUESTION NO.9

ca A 4*4 drive vehicle implies that

A. it has 4*4=16 wheels

B. it has 4 space wheels and 4 road wheels

- C. it has 4 wheels out of 4 are drive wheels
- D. none of the above

SME QUESTION NO.10

cal H.P. is equal to ----- watts

A. 810 B. 545 C. 634 D. 746



EXTRA SME QUESTION NO.11

ca Which type of wheels are preferred in a sport car

A. disc B. wire

- C. magnesium alloy
- D. Al alloy

EXTRA SME QUESTION NO.12

ca Which suspension type is famous in passenger cars

A. Leaf spring B. Air suspension C. Mac pherson D. All of above

ROUND 2

COB

∝COMPULSORY ROUND



Chem QUESTION NO.13

cst Bomb calorimeter is used to determine.

A. GCV at constant pressure B. GCV at constant volume C. NCV at c. .tant presure D. NCV at constant volume



Chem QUESTION NO.14

© Which of the following has property of absorbing water

- A. KOH solution B. BaCl₂
- C. Anhydrous CaCl;
- D. Sulphuric acid

EXTRA Chem QUESTION NO.15

OR CNG is used for

A. Power generation

- B. Electric generators
 C. Solvent
- C. Solver
- D. Universal solvent

EXTRA Chem QUESTION NO.16

cat Electrochemical corrosion takes place on

A. Anodic area
B. Cathodic area
C. Near anode
D. Near cathod

Phy QUESTION NO.17

or The concept of matter wave was suggested by_____

A. Heisenberg

B. de Broglie

C. Schrodinger

D. Laplace

Phy QUESTION NO.18

ca The square of the magnitude of the wave function is called

A. current density B. zero density C. volume density D. probability density

EXTRA Phy QUESTION NO.19

of Intrinsic semiconductor at room temperature will have,available for conduction

- A. Electrons
- B. Holes
- C. Both electrons and holes
- D. None of the above

EXTRA Phy QUESTION NO.20

CH That radiation and matter have properties both of particles and of waves is called what?

A. Mixing

0.00 MIC

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- **B.** Confusion
- C. Wave-particle duality
- D. Entanglement

BXE QUESTION NO.21

of If lower voltage level represents logic 0 and higher voltage level represents logic 1, the system is called ______ logic system.

A positive

B. negative

C neutral

BXE QUESTION NO.22

ca A _____ gate represents a complement function.

A. NOT E. NOR C. NAND

EXTRA BXE QUESTION NO.23 Ca A 14 per NOT gate IC has _____ NOT gates. A. 8 B. 6 C. 5 D. 4

10

EXTRA BXE QUESTION NO.24

circuits do not contain any memory

elements

A. combinational B. sequential C. none of these



Extra PPS QUESTION NO.27

68 Which of the following is the use of function in python?

- A. Functions are reusable pieces of programs
- Functions don't provide better modularity for your application
- C. you can't also create your own functions
- D. All of the mentioned

EXTRA PPS QUESTION NO.28

or What are the two main types of functions?

- A. Custom function
- B. Built-in function & User defined function
- C. User I notion
- D. System function

ROUND 3





SME QUESTION NO.31

ra Which of these is not a part of transmission system

- A. clutch B. axles
- C wheels
- D. gear box

EXTRA M-I QUESTION NO.30 call f(x,y) = 0 then $\frac{dx}{dx}$ is equal to A $\frac{dx}{dy}$ B $\frac{dx}{dy}$ C $-\frac{dy}{dy}$ D $-\frac{dy}{dy}$

EXTRA SME QUESTION NO.32

Ge In a diesel cycle engine combustion occurs at constant

A. Pressure B. Volume C. temperature D. heat

EM QUESTION NO.33

(ii) Which of the following is correct for the stability of equilibrium configuration?

- A. The application of the conditions of the equilibrium of the body is valid only in the 2D
- The application of the conditions of the equilibrium of the body is valid only in the 3D
 The application of the conditions of the smallbridge
- C. The application of the conditions of the equilibrium of the body is valid only in the ID
- D. The application of the conditions of the equilibrium of the body is valid throughout

24

EXTRA EM QUESTION NO.34

GR If a truss consists of 8 joints, 10 members and 4 reaction components then, it is a

- A. cantilever truss
- B. defficient truss
- C. redundant truss
- D, none of the above



PPS QUESTION NO.35

or What arithmetic operators cannot be used with strings?

- A. +
- B. -
- C. *
- D. All of the mentioned

EXTRA PPS QUESTION NO.36

ca What will be the output of the following Python

- code? 1. def cube(x): 2. return x * x * x 3. x * cube(3) 4. priat x
- A. 9 E. 3 C. 27 D. 30

Chem QUESTION NO.37

c4 The enzyme which converts glucose, fructose into ethyl alcohol-----

- A. Invertase
- **B.** Zymase
- C. Lypase
- D. Pepsin

EXTRA Chem QUESTION NO.38

CR Chemical formula of rust is

A. Fe₂O₃ B. FeO C. Fe₂O₄ D. Fe₂O₅X H₂O

Phy QUESTION NO.39

ca The operator V is called _____ operator

A. vector

- B. Hamiltonian
- C. Laplacian
- D. Poisson

EXTRA Phy QUESTION NO.40

c@ The function representing matter waves must be

A. complex B. real C. Zero D. infinity



BXE QUESTION NO.41

(a When all the inputs of a NAND gate are zero, the output of it is _____.

A. High

B. Low

C. None

EXTRA BXE QUESTION NO.42

CRANOT gate has

A. two inputs and one output

B. one input and one output

C. one input and two output

D. none of above

PPS QUESTION NO.43

ca Where is function defined?

- A. Module
- B. Class
- C. Another function
- D. All of the mentioned

EXTRA PPS QUESTION NO.44

cii What will be the output of the following Python code? 1. >>> str1 = 'hello' 2. >>> str2 = '!'

- 3. >>> str3 = 'world'
- 4 >>> str1[-1:]

A. OBeh B. Hello C. H D. o

EXTRA M-I EXTRA M-I QUESTION NO.45 QUESTION NO.46 call $u = \sin^{-1}\left(\frac{\sqrt{x^2 + y^2}}{x + y}\right)$ is homogeneous function of fill if $\phi(x, y, z) = 0$ then $\left(\frac{dx}{dy}\right)_{x} \left(\frac{dx}{dx}\right)_{y} \left(\frac{dy}{dx}\right)_{z}$ is equal to degree A. 1 A. 0 R. 1 R 1 C. 2 C -1 D. 0 D. 2 Shivajirajer Critere Base FE Depu 5 ON + BUN

EXTRA M-I QUESTION NO.47

Ret With usual notations, the saddle Point present in function of two variable is

A. $rt - s^2 = 0$ B. $rt - s^2 > 0$ C. $rt - s^2 < 0$ D. None

EXTRA SME QUESTION NO.48

cat What was the initial price tag of TATA Nano

A. Rs. 500000
 B. Rs.300000
 C. Rs.150000
 D. Rs.100000

EXTRA SME QUESTION NO.49

or Actual power delivered by the engine is known as

- A. Shaft power
- B. Indicated power
- C. Brake horse power
- D. None of the above

EXTRA SME QUESTION NO.50

Image: Comparison of the second se

A. It is lighter

- B. It is stronger
- C. It has less wear
- D. It absorbs shock





Shri Chhatrapati Shivajiraje College of Engineering

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal- Bhor, Dist- Pune (Maharashtra)

Quiz Competition Answer Sheet Department : First Year Engineering Academic Year: 2021-22

Que No	Subject	Answer
	Round-	1
1	M-I	D
2	M-I	C
3	M-I	В
4	M-I	C
5	Extra M-I	A
6	Extra M-I	В
7	SME	A
8	SME	В
	SME	C
10	SME	D
11	Extra SME	С
12	Extra SME	C
F	Round-I	
13	Chem	В
14	Chem	С
15	Extra Chem	A
16	Extra Chem	D
17	Phy	В
18	Phy	D
19	Extra Phy	C
20	Extra Phy	С
21	BXE	A
22	BXE	A
23	Extra BXE	В
24	Extra BXE	A
25	PPS	A

Que. No	Subject	Answer
26	PPS	c
27	Extra PPS	A
28	Extra PPS	В
	Round-I	Í
29	M-I	В
30	Extra M-1	D
31	SME	С
32	Extra SME	A
33	EM	D
34	Extra EM	В
35	PPS	C
36	Extra PPS	С
37	Chem	В
38	Extra Chem	D
39	Phy	C
40	Extra Phy	A
41	BXE	A
42	Extra BXE	В
43	PPS	D
44	Extra PPS	D
45	Extra M-I	D
46	Extra M-I	С
47	Extra M-1	С
48	Extra SME	D
49	Extra SME	С
50	Extra SME	

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Shri Chhatrapati Shivajiraje College of Engineering Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal- Bhor, Dist- Pune (Maharashtra)

Date :24/03/2022

Department : First Year Engineering ATTENDANCE DURING QUIZ COMPITITION (Div-A & B)

1 FE21003 Andredikar Akshada Jashuani (Alt 2 FE21030 Anumal Shivanjali santash Antajalii 3 FE21030 Anumal Shivanjali santash Antajalii 4 FE21076 Mankaz Priyanka Bharat Mankaz P.B. 5 FE21043 Gole Shruhi Sunil Latts, 6 FE21043 Gole Shruhi Sunil Latts, 7 FE21049 Saluhke Prachi Balasaheb Raheshumari. T Mankaz P.B. 8 FE21099 Saluhke Prachi Balasaheb Raheshumari. T Mankaz P.B. 9 FE20844 Mujumole Shravani Chintomani Hujumale: Mankaz P.B. 10 FE21089 Patil Preeti Mahaver Singale: Rahes 11 FE21089 Patil Preeti Mahaver Singale: Rahes 12 FE21089 Bahaya Saluhe Prachi Balasabaji Ari Rahes 13 FE21089 Bahaya Saluhe Prachi Balasabaji Ari Rahes 14 FE2109 Bangatkas Athalke Sabaji Ari Manke 15 FE21114 Yeez Sunil Nileth Jaki Jaki 16 FE21026 Deshowkh Adesh Hensant Rh <td< th=""><th>Sr. No.</th><th>Roll No.</th><th>Name of Student</th><th>Sign</th><th>10</th></td<>	Sr. No.	Roll No.	Name of Student	Sign	10
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Shri Chhatrapati Shivajiraje College of Engineering

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal-Bhor, Dist- Pune (Maharashtra)

Date:24/03/2022

Department : First Year Engineering ATTENDANCE DURING QUIZ COMPITITION (Div-A & B)

sr. No.	Roll No.	Name of Student	Sign
1	FE21049	Jagdale Aniket c	Alandak.
2	FE21091	Galekor Omkar D.	Balerau
3	FE21088	Partie Durgesh . B.	Berne
4	FE21066	Kolopkar Mangesh kakasah	Map
5	FE21016	Birdawade Rohit 6.	PONT FB
6	FE21005	Barrode Ninanjan. S.	ales-
7	FE21052	Jangid Roban Bibari	Bir
8	FE21081	Mobile Harshiketh Stiniduos	-Ilimahabe_
9	FE21013	Bhoite sanket Saniay	Schoite
10	FE21055	Karape Milind Nitin	M.C.
11	FE21061	Khamter vivet Suresh	V.Sitchamper
12	FE21118	Washmarre Sahil Kishow	Abermon
13	FE 21054	Kadam Jushint pratagross	- soutient
14	FE 21076	mahajan Kaushal Shamkard	the -
15	PE21046	Hazal Apuzua Sandip	- puzita.
16	FE21058	Kashid Vaishnavi Vilas	Jeans
17	FE21093	Popale Vaishnavi Pandusane	Bishavi
18	FE21112	Uppakhaude Speha Rojama	Sneba.
19	E21056	Karape Nikita Nitin	Okarape
20	FE21034	Gaikarad Neha Ajaz	Alchala
21	-E21025	Dere Ekala Sanfosh	ESCO
22	FE21094	Raval shraddha Baukim	maddue -
23	FE21121	Zanje Aditi Shivaji	Quike
24	FE21098	Jalunkhe Anuja Ohanaji	Aslunkte.
25	E21082	More Ankita sudam	Amore
20	E21035	Glaikwad Rachana Amol	-burchang
21			
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20			Suvahra
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Shri Chhatrapati Shivajiraje College of Engineering Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal-Bhor, Dist- Pune (Maharashtra)

	Que. No	Subject	Marksheet for quiz competition		_
-		suspect	A	B	A B
	1	M-I	+5	-5	
pu	2	M-I	+10	0	25 05
Sou	3	M-I	- 5	+5	-
er l	4	M-I	0	+10	-
221	5	SME	+5	-5	-
Bi	6	SME	0	110	-
	7	SME	+5	710	-
1	8	SME	+ 5	-5	-
IIS	9	Chem	17	0	-
tio	10	Chem	5	10	A B
nes	11	Phy	10	10	30 20
o s	12	Phy	10	0	-
LIOS	13	BXE	10	9	-
and	14	BXE	0	10	_
luc	15	EM	10	0	_
Ŭ	16	PPS	0	0	_
	.21	M-I	10	0	- 2 - 2
	22	SME	10	0	H 15
-	23	FM	10	0	30 40
oun	24	PPS	0	10	_
Ro	25	Cham	0	0	_
ars	26	Phy	10	0	
hol	27	PNYE	0	10	
Scl	20	BAE	D	10	
	20	PPS	0	10	
	29	Other			
-	0	Other			
L	Total	Score	85	65	





Shri Chhatrapati Shivajiraje College of Engineering

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal- Bhor, Dist- Pune (Maharashtra)

Quiz Competition Department : First Year Engineering Academic Year: 2021-22, (Sem-I)

Sr. No.	Result of Event	Div	Remark / Sign
1	Winner	Div-A	er
2	Runner Up	Div-B	org-



Prof. B. P. Tapare Event Co-ordinator

Prof. J. G. Kale HOD (FE) Head of Department First Year Engineering Shri Chh. Shivajiraje College of Engg Dhangawadi, Pune-412206





Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal-Bhor, Dist-Pune.

Department : First Year Engineering

REPORT OF OUIZ COMPETITION 2021-22 (Sem-I)

Date: - 24/03/2022

- 1. Department: First Year Engineering
- 2. Day & Date: Thursday, 24th March 2022
- 3. Event Coordinator: Prof. J. G. Kale
- 4. Departmental Event Coordinator: Prof. B. P. Tapare
- 5. Designation: Asst. Professor
- 6. Subject: All Subjects.
- 7. Class: First Year (Div A, B).
- 8. Purpose: Encourages team work

Objective:

The Main objective of the Quiz competition was to improve knowledge base of student and to know our guesswork and ability to crack questions through hints improves. With practicing quizzes, students can do critical thinking, and get into a habit of innovative learning. This will help students to perform and enables students to think from different angles or simply 'to think out of the box.

Description:

The "Quiz Competation-2021-22 (SEM-I)" was opened by Head of Department Prof. J. G. Kale in presence of faculty members and students. Total 3 rounds were conducted in Quiz Competition. 3 Rounds were held which included technical questions related to their subjects. There were four members in the jury committee. The final evaluation process was completed by jury members. Prof. R. B. Raut announced the winner of competition which is Div-A (FE).

Conclusion:

This competition has provided a platform to the budding engineers to showcase their knowledge and smart ideas to compete in Quiz competition. Improvement in student's confidence to face questions is seen during the quiz.



The following photographs show the sweet memories of this event.

Event Photos:



10.

Prof. B. P. Tapare Coordinator



ale

Prof. J. G. Kale HOD (F.E.) Head of Department First Year Engineering Shri Chh. Shivajiraje College of Engg. Dhangawadi, Pune-412206

2.6 Student Participation in Conference



Rajgad Dayanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal - Bhor, Dist- Pune (Maharaalstra)

Criterion 2 - Teaching Learning & Evaluation

[Key Indicator - 2.3.1 Teaching and Learning] Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing leaning experiences

Student Participation in Conference A.Y 2021-22

Dept	Name of student	Name of Event	Date of Event	Level State/ National/ International
Civil	Ms. Vaishnavi More	3rd National Conference on"Recent Trends in Engineering and Technology"	11/06/2022	National
 Civil	Ms. Prajakta Sonawane	3rd National Conference on "Recent Trends in Engineering and Technology"	11/06/2022	National
Civil	Ms. Prajakta Shedage	3rd National Conference on "Recent Trends in Engineering and Technology"	11/06/2022	National
Civil	Mr. Shubham Pawar	3rd National Conference on "Recent Trends in Engineering and Technology"	11/06/2022	National
Civil	Mr. Akshay Ingavale	3rd National Conference on "Recent	11/06/2022	National



1

-1		Trenals on France of		
1-		and Taskoology"		
0	Ma Digvipay Sabale	3rd National Conference on "Recent Transfe in Engineering and Technology"	11/06/20(13	Stational
C	eti Ma Sudarahan Parat	3rd National Conference on Resent Transla in Engineering and Technology*	11/06/2022	National
Civ	^{il} Mr. Abbijit Kanjir	3rd National Conference on Reconst Trends in Engineering and Technology*	11.06/2022	National
Civi	Mr. Chavare Rushikesh Baban	3rd National Conference on "Recent Trends in Engineering and Technology"	11/06/2022	National
Civi	Mr. Phule Saurabh Balasaheb	3rd National Conference on "Recent Trends in Engineering and Technology"	11/06/2022	National
Crvil	Mr. Zagade Rohit Tukaram	3rd National Conference on"Recent Trends in Engineering and Technology"	11/06/2022	National
Civil	Mr. Shinde Sandeep Krishna	3rd National Conference on "Recent Trends in Engineering and Technology"	11/06/2022	National
Civil	Mr. Bobade Shubham Mohan	3rd National Conference on"Recent Trends in Engineering and Technology"	11/06/2022	National
Civil	Mr. Korade Omkar Tanuji	3rd National Conference on"Recent Trends in Engineering and Technology"	11/06/2022	National

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sul Mr Sh	ankat	Ird National Conference on "Recent Trends in Engineering and Technology"	11/06/2022	National
not M Au	r. Eratkar Satyam nus	3rd National Conference on "Recent Trends in Engineering and Technology"	11/06/2022	National
ivil M	is. Musgyashri talusare	3rd National Conference on "Recent Trends in Engineering and Technology"	11/06/3022	Yeaboosel
Cevil N	ds. Vijaya Kurale	3rd National Conference on "Recent Trends in Engineering and Technology"	11/06/2022	National
Civil	Ms. Yogita Kokare	3rd National Conference on Recent Trends in Engineering and Technology"	11/06/2022	National
Civil	Ms. Meunal Gujar	3rd National Conference on "Recent Trends in Engineering and Technology"	11/06/2022	National
Civil	Mr. Abhishek Kunjir	3rd National Conference on "Recent Trends in Engineering and Technology"	11/06/2022	National
Civil	Mr. Swapnil Pardeshi	3rd National Conference on "Recent Trends in Engineering and Technology"	11/06/2022	National
Civil	Mr. Vishal Valkunde	3rd National Conference on"Recent Trends in Engineering and Technology"	11/06/2022	National

Prof. Dr. S. B.Patil

Principal Regar Desceptor Stit Chinatropati Science and College of Dath-Diangheads, Pane-412205 KARMAVEER BHAURAO PATIL COLLEGE OF ENGINEERING, SATARA

Accredited by NAAC with "B + + " Grade



CERTIFICATE OF ATTENDANCE AND APPRECIATION

This certificate is hereby awarded to,

1

Mr. Chavare Rushikesh Baban [Analysis of Wind Loads on High Rise Strucker]

in appreciation for your Research Contribution and Participation

"Recent Trends in Engineering and Technology" at 3" National Conference on

held at Rayat Shikshan Sanstha's Karmaveer Bhaurao Patil College of Engineering, Satara Maharashtra, India on 11th June 2022

Dr. Anand Tapase Organizing Chair

Dr. A.C.Atta

Ę

Principal

Rayat Shikshan Sanstha's KARMAVEER BHAURAO PATIL COLLEGE OF ENGINEERING, SATARA Accredited by NAAC with 'B++' Grade



CERTIFICATE OF ATTENDANCE AND APPRECIATION

This certificate is hereby awarded to,

Name & Title of Research Paper Mr. Bohade Shulham Mohan LUhlization of Plastic

Waste and Construction Waste in Manufacturing Bricks]

in appreciation for your Research Contribution and Participation

"Recent Trends in Engineering and Technology" at 3" National Conference on

held at Rayat Shikshan Sanstha's Karmaveer Bhaurao Patil College of Engineering, Satara Maharashtra, India on 11th June 2022

Dr. Anand Tapase

Organizing Chair

Dr. A.C.Attar Principal

No. lot c

2
3.1 Industry Sponsored Projects



Rajgad Doyanpoeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

Gat No. 237, Pune Bangalore Highway, Dhangawadi, Tal - Bhor, Dist-Pune (Maharashtra)

Criterion 2 - Teaching Learning & Evaluation

Key Indicator - 2.3.1 Teaching and Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing leaning experiences

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INDUSTRY SPONSORED PROJECT DETAILS A.Y 2021-22

Sr.N 0.	Name Of Department	Title of the Project	Student List	Name of the Sponsoring Firm
L	CIVIL	Dairy Waste Management in Anant Dudh Dairy	Mr. Sushant Sanjay Patil Mr. Karan Rajendra Valkunde Mr. Pruliviraj Shivaji Khambe Mr. Aniket Anandrao Phalke	Anant Dudh Pot. Ltd., Kikavi, Taluka-Bhor, Dist -Punc
2	CIVIL	Study of Reutilization of Plastic and Ceramic Waste Paver Block	Mr. Nikhil A. Khopade Mr. Pritesh N. Thopate Mr. Rushikesh K. Bhosale Mr. Ritesh V. Kumbharkar	Pranav Construction, At post-Shirwal, taluk Khandala, Dist-Satara
3	CIVIL	Casting of Bricks Using Plastic Waste and Construction Waste Material	Mr. Shubham M. Bobade Mr. Omkar T. Korade Mr. Akshay S. Bhilare Mr. Satyam A. Eratkar	Shri. Radhakrishan Cement pipes & Products, Kolki, Taluka-Phultan, Dist-Satara



	4	CTVR,	Pre-Tendering Project Planning Design & Budget Estimation of Bond Project Connecting Negade Village	Mr. Pravin Prakash Pawar Mr.Rohir Ramokantras Kulkarnt Mr. Ajay Niversti Gujabiqat Misa, Rutuja Nandkustuar Bargu	5. A. Sheth Engineers & Goversteines Contractors, Theory, Massinai
	5	COMPUTER	Detectile – Classification Of Diabetic Retinopathy Using Fractal Analysis And Random Forest	Yadav Poonam R. Mahaare Kajal S. Yadav Revati V. Pawar Sneha S.	Microversion Technologies, Goldenine browing Society,
	6	COMPUTER	Automatic Image Tagging using Machine Learning	Hingmire Namita P. Bhargude Namrata R. Mane Pratiksha D. Hagawane Samraddhi S.	Mythos Technology, Narby, Paint
•	7	COMPUTER	Precision Agriculture for Indian Context using Learning Techniques	Khopade Pratiksha S. Pujari Gauri S. Khopade Pratiksha D. Bardade Shubhada C.	Mythos Technology, Narhe, Pane
	8	COMPUTER	Text Mining from The Web for Medical Intelligence	Ubhe Rutvik b. Ratbod Bhimrao D. Chikane Payal B.	L&D Infotech Pvt. Ltd., DSK Vishwa, Pone
	9	COMPUTER	Online Assessment and protecting system for candidate recruitment at work places.	Dhamal Ankita V. Parkhande Priyanka R. Dighe Vinayak S. Gaikwad Rushikesh R.	Gsoft Solution Pvt. Ltd., Warje, Pune.
	10	COMPUTER	Automatic Face Mask Detection System Using Deep Learning	Dhumal Rohan S. Papal Mahesh S. Waghmode Tushar M. Shendkar Ketan D.	Mythos Technology, Narhe, Pune.
	u	MECHANICAL	Design & Development of Mild Steel Wall Climbing Robot	Bondade Ajay Rajendra Damakle Avdhut Anil Shinde Shivraj Haribhau Yadav Omkar R.	Kstar Industries, Khandala, Satara
	12	MECHANICAL	Design & Development of 3 Axis Pneumatic Tipper	Jagtap Swetal Pradip Bhosale Yogesh Mohan Dalvi Sudarshan M. Gaikwad Pranali Yadu	Trisol Engineering, Pune
	13	MECHANICAL	Design & Development of Multiple Hammering Machine	Chavan Aniket C. Taru Vaibhav Anil Raut Vijay Balu Chaudhari Rupesh T.	Shree Dhanajay Electricals, Kodoli, Satara



1	ELECTRONICS AND TELECOMMUN ATION ENGO	RC Face Mask &body Temperature Detection using Arduino Une	Bankar Hrushikesh Rameuh Chavan Aislewarya R. Chavan Ankita Prakash	Swara Enterprises Ramagiri
13	ELECTRONICS AND TELECOMMUNI ATION ENGG	Cow Health Monitoring System using IoT	Kazi Arshad Nazir Mandhare Prajakta Prakash Shaikh Tahasum Firoj	Tej Electomics Ichalkaranji
10	ELECTRONICS AND TELECOMMUNI ATION ENGG.	C Intelligent Exam Paper Leakage Detection	Bhonale Rajshri Sunil More Varsharani R Pilane Akshada Balu	Sarara Enterprises Ratiogiri
17	ELECTRONICS AND TELECOMMUNI ATION ENGG.	C IoT Based EV's Battery Swupping & Charging system using Solar	Gaikwad Pooja Kanade Payal Kazi Mansur	Tej Electronica Ichaikaranji

TATE Prof. Dr. S. B.Patil







Date: 22-01-2022

SPONSORSHIP LETTER

I S A SHETH a Civil Engineering Construction Company established in the year 1997. The Firm has executed many numbers of Projects with Government Organization PWD, CIDCO, MIDC, MMRDA, RCF, and Private works etc. all over Maharashtra.

I write to confirm that

- 1. Mr. Pravin Prakash Pawar
- 2. Mr. Rohit Ramakantrao Kulkarni
- 3. Mr. Ajay Nivruti Gujalwad
- 4. Miss. Rutuja Nandkumar Barge are in receipt of official sponsorship from us on below Terms & Conditions.

Academic Project Work: - Detailed Project Report of Roadwork 2.5km length

- 1. Providing required Surveying Equipment's with LXQ-CAD Software
- 2. Financial Sponsorship of Rs 5000/-
- 3. Kindly submit official letter of Institute

With Best Regards, S. A. SHETH, THANE







Date: 25.05.2022

To,

Rajgad Dnyanpeeth

Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi , Bhor

Pune 412206

Subject: About giving Project Sponsorship To

Below Mention Students

Name of Students :

1.Taru Vaibhav Anil 2.Raut Vijay Balu

3. Chaudhari Rupesh Tanaji 4. Chavan Aniket Chanandrakant

Sponsor Name :

I Agree to give Sponsorship for above students of Pune University at Shri Chhatrapati Shivajiraje College of Engineering Dhangawadi, Bhor. These Student Working on Project Titled 'Design & manufacturing of Cam Operated Multiple Hammering Machine'. This Sponsorship includes tution & hands on work two days a week as per Request

For Shree Dhananjay Electricals

Plot No. W-76, Additional MIDC (Kodoli), Satara Ph: 02162-240605 | M: 9422033769, 8888241731 | info@sdelectricals.co.in

PROJECT SPONSORSHIP LETTER



K-STAR PLASTIC INDUSTRIES

Manufacturer of Plastic Injection Moulding Products Gat No. 124/1, A/P. Mirje, Mirje - Jawale Road, Near Shirwal M.I.D.C., Tal. Khandala, Dist. Satara 412 801 (Maharashtra) Mastarplastics@gmail.com 9423061675 9922067778 (GSTIN: 27AHQPK8928A122)

Ref. No. :

Date :01/11/2021

To,

Rajgad Doyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering Dhangawadi, Tal. Bhor, Dist.- Pune. Pin- 412206

Subject About giving project Sponsorship

To Whom It May Concern,

Name of Students:

1. Yadav Omkar Ramchandra

2. Bondade Ajay Rajendra

3. Shinde Shivraj Haribhau

4. Damakle Avdhut Anil

Sponsor Name : K-Star Plastic Industries.

I Agree to give Sponsorship for the above named students at University of Pune, Rajgad Dnyanpeeth's Shri Chhatrapati Shivajiraje College of Engineering Dhangawadi. This Students Working on Project Titled "Mild Steel Wall Climbing Robot".

This Sponsorship includes tution & hands on work two days a Week as per Request.

Sincere

(Managing Director)

Rajgad Dnyanpeeth's



SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune -412205 (MS), India.

Project Based Learning (PBL) A.Y. 2021-22 List of Students and Project name Class- SE E&TC

	Group no	Sr.No	Roll No	Name of Student	Project Name
[100	1	SET21D055	Chauhan Pardeshi Atharva Manojsing	
		2	SET21D066	Shikalgar Arbaj Niyaj	
	Course 1	3	SET21D070	Chavan Aditya Dipak	Finger Print bank
	Group I	4	SET21D074	Dhebe Pranita Sunil	Locker System
T		5	SET21D057	Devkar Aishwarya Chaitanyanath	
		6	SET21D014	zanzane Prafulla Dharmaraj	
-		4	SET20F001	Bahurupi Touhit Sardar	
		2	SET20F004	Gadhave Prathamesh Prashant	Thermo Electric
		3	SET20F005	Ghadge Sourabh Dilip	eneration Using
	Group 2	4	SET21D026	Swami Sangmeshwar Virbhadra	Peltier Module
		5	SET21D064	Ghavare Sushant Sunil	
_		6	SET21D025	Navghane Akash Dhanaji	
		1	SET20F002	Bandal Alisha Jayendra	
		2	SET20F006	Jagtap Apurva Sudhakar	Social protection
	0.01	3	SET21D018	Lohar Jayant Suryakant	for Old age and
2	Group 3	4	SET21D051	Apeksha Dilip Gaikwad	Womens
		5	SET21D052	Girigosavi Priyanka Shivraj	
Ļ.		6	SET21D048	Khomane Shubhangi Bapu	
-		1	SET21D075	Jadhav Vaibhavi Santosh	
		2	SET21D076	Pawar Swapnita Rajabhau	-
		3	SET21D039	Jujare Kiran Prakash	Water level
	Group 4	4	SET21D040	Patel Sayyadadnan Sarfaraj	Controller
	T	5	SET21D081	Khopade Pournima Sharad	-
		6	SET21D078	Khopade Chaitrali Balkrushana	
-		1 1	SET21D079	Nailkar Dnyaneshwari Tanaji	-
	-	2	SET21D082	Renuse Pranali	
	-	3	SET21D071	Nevase Aaditi Mugutrav	Android app for
1	Group 5	4	SET21D035	Dalvi Swati Shivaji	College Mess
	-	5	SET21D041	Mahamuni Pooja Santosh	
	-	6	SET21D046	Jagtap Manasi Arjun	
-		II	SET21D059	Konde Satwika Sanjay	_
		2	SET21D060	Rajpure Rutuja Chandrakant	-
	-	3	SET21D061	Liman Harshada Pandurang	- Pulse Sensor
Gn	iroup 6	4	SET21D056	Joshi Bindukumari Krishnaraj	



	5	SET21D032	Shirke Kranti Baburao		
	6	SET21D031	Patil Shraddha Dilip		
	1	SET20F012	Tupe Sakshi Lavman		
	2	SET21D045	Reddi Smita Lakhan		
	3	SET21D038	Shirodkar Rachana Vishnu	Same House	
Group 7	4	SET20F009	Phadtare Shweta Anil	Smart Home	
	5	SET21D021	Jadhay Kartik Arun	Automation Using	
1 110	6	SET21D036	Waghmare Kanchan Balali	with	
	7	SET21D054	Gayakwad Priva Ponat		
	1	SET20F008	Pandekas Perieta Manut		
	2	SET20F010	Pantekar Prajakta Navnath		
	3	SET21D044	Rhates Same dill Sector		
Group 8	4	SET21D047	Baikas Shoutka Ashali	TRE-C-Reserve	
	5	SET21D043	Utekar Valshowi Damdar	UV steritzer	
	6	SET20E007	Khonada Bhasanakaa Chiadii		
	7	SET21D068	Shinda Siddhi Daiandan		
	1 1	SET2IDOSS	In all n all n		
	2	SET21D038	Patri Rohit Rajaram		
	3	SET21D042	Jadhav Rohit Sanjay		
Group 9	4	SET2ID072	Paike Rupesh Shrikisan	Automatic Street	
	5	SET21D050	Koll Rutukesh Rajaram	Light Controller	
	6	SET2ID053	Shinde Vishal Fulchand	_	
	0	SEIZIDOIS	SE121D015 Nigade Shweta Uttam		
	1	SET21D073	Mule Atharva Sunil		
-	2	SET21D049	Kagade Amit Santosh		
Group 10	3	SET21D037	Sawant Ajay Rajaram	Snake Vibrator	
and the second	4	SET21D062	Mulla Moin Tajuddin	Shake Viorator	
1000	5	SET21D020	Chavan Pushpashil Prashant		
	6	SET20F011	Salunkhe Omkar Rajaram		
-	1	SET21D013	Chikane Ujiwala Krushna		
	2	SET21D019	Waghmare Ajay Sanjay	Students	
C	3	SET21D023	Galande Shivaji Pandurang	Students	
Group 11	4	SET21D028	Pawar Dhananjay Dilip	Attendance	
	5	SET21D029	Dhore Pratik Chandrashekhar	System	
	6	SET21D063	Chavan Sagar Umesh		
	1	SET21D033	Salunkhe Reshma Vilas		
	2	SET21D065	Bhandare Pankaj Sanjay		
and the second	3	SET21D069	Algude Pankaj Arjun	Fire Alarm	
Group 12	4	SET21D077	Sutar Pradnya Vasant	System	
	5	SET21D080	Gadhave Ankita Sambhaji		
	6	SET21D083	Khot Pratiksha		

Nalaraja Co.

EATC

Engg. Deptz

201 * 0000

Coordinator

Didhare

HOD HOD E & TC Engineering Dept. Shri Chhetarspati Sniveji Raje College Of Engineering, 55-angewedt. Tel-Shor, Dist-Pune. Pin-612266



Date: 20/07/2021

Τo,

The Principal,

Rajgad Dnyanpeeth's

Shri chhatrapati shivajiraje college of engineering

Pune

Subject:- Internship/Sponsarship Letter

Respected Sir/Madam,

We would like to hereby confirm you, that **Ubhe Rutvik Baban**, **Rathod Bhimrao Devidas Chikane Payal Bharat** are students of Fourth Year Degree in Computer Engineering from your college who have been selected for carrying out the Final Year Project "**Text mining from the web for medical intelligence**". They will work with our organization from <u>01/08/2021 to 15/02/2022</u>.

The working schedule of their project will be 2 days a week from 11.00 am to 6.00 pm. The details and scope of this project will be provided to them from the beginning of their tenure at the company facility. Upon successful completion of the project, they will be issued a certificate. We will be required to submit a copy of the detailed report before completion of the project.

Congratulations and welcome to the team!

Thanks & Warm Regards,

Bmate

Somnath Lomate (Director) L & D Infotech Private Limited



www.Indinfotech.co.in If www.facebook.com/LDI2019 Info@Indinfotech.co.in

♥ Flat No. OP 302, Meghmalhar, G.No 87 to 90,PH -II,DSK Vishwa ,Pune-41.
© 7887809708/ 8830274518

www.gsoftsolution.org



Sunday, October 24, 2021

CERTIFICATE OF SPONSORSHIP

To Whom It May Concern

This is to certify that following students of RDTC's SCSCOE, PUNE are devoloping an Online Assessment And Proctoring System For Candidates Recruitment At Workplaces their Final Year Project. This respective Project of theirs is being Sponsored by Gsoft Solution Pvt.Ltd.

+917057085979
+919405374992
+919284427636
+917028502975

This certification is being issued upon his/her /their request for whatever purposeit may serve.

ution Pvt.Ltd

+919049361265

Shop No.02, Amrutvel Complex, Nachane Road Ratnagiri, 415612

Mobile 9922948572

Email:swaraenterprisertn@gmail.com

Ref: SE/SPN/113/2022

Date: 20/05/2022

SPONSORSHIP LETTER

To,

The Principal

Rajgad Dnyanpeeth's Chhatrapati Shivajiraje College of Engineering,

Dhangwadi, Bhor Pune

PIN Code -412205

Subject: Offering Sponsorship to the project work

Respected Sir,

This correspondence is issued as per requirement of following of your college,

- 1. Bankar Hrishikesh Ramesh
- 2. Chavan Aishwarya R.
- 3. Chavan Ankita Prakash

Above students interested to work with us regarding a project assigned to our company, thus we are sponsoring their project-Face Mask &body Temperature Detection using Arduino Uno

We are providing financial support to complete this project, as well as technical data & Expert guidance required for this project work. This project is useful for the for the industry owners to monitor body temperature of their workers and to check the face mask. We are looking forward for completion of the project.

1

DIRECTOR

Mrs.Sandhya S.Nalage

Swara Enterprises

Prop. Mrs. Sandhyn S. Nalage Shop No. 02, Amrutvel Complex, Ratnagiri - 415 612 11.9922948572 / 9511760259

Shop No.02, Amrutvel Complex, Nachane Road Ratnagiri, 415612

Mobile 9922948572

Email:swaraenterprisertn@gmail.com

Ref: SE/SPN/113/2022

Date: 20/05/2022

SPONSORSHIP LETTER

To,

The Principal

Rajgad Dnyanpeeth's Chhatrapati Shivajiraje College of Engineering,

Dhangwadi, Bhor Pune

PIN Code -412206

Subject: Offering Sponsorship to the project work

Respected Sir,

This correspondence is issued as per requirement of following of your college,

- i. Bhosale Rajshri Sunil
- II. More Varsharani R.
- III. Pilane Akshada Balu

Above students interested to work with us regarding a project assigned to our company, thus we are sponsoring their project-Intelligent Exam Paper Leakage Detection

We are providing financial support to complete this project, as well as technical data & Expert guidance required for this project work. This project is useful for the Educational Institutes. We are looking forward for completion of the project.

DIRECTOR

Mrs.Sandhya S.Nalage

vara Enterprises

Prop. Mrs. Sandhya S. Nalage Shop No. 92, Amrutvel Complex, Rainagiri - 415 612 1.9922948572 / 9511760259

Shop No.02, Amrutvel Complex, Nachane Road Ratnagiri, 415612

Mobile 9922948572

Email:swaraenterprisertn@gmail.com

Ref: SE/SPN/112/2022

Date: 20/05/2022

SPONSORSHIP LETTER

To,

The Principal

Rajgad Dnyanpeeth's Chhatrapati Shivajiraje College of Engineering,

Dhangwadi, Bhor Pune

PIN Code -412206

Subject: Offering Sponsorship to the project work

Respected Sir,

This correspondence is issued as per requirement of following of your college,

- 1. Kazi Arshad Nazir
- 2. Mandhare Prajakta Prakash
- 3. Shaikh Tabasum Firoj

Above students interested to work with us regarding a project assigned to our company, thus we are sponsoring their project-Cow Health Monitoring System using IoT.

We are providing financial support to complete this project, as well as technical data & Expert guidance required for this project work. This project is useful for the farmers to take care of their animal as well as to monitor their health from distance. We are looking forward for completion of the project.

DIRECTOR

Mrs.Sandhya S.Nalage

Swara Enterprises Prop. Mrs. Sandhya S. Nalage Shop No. 02, Amrutvel Complex, Ratnagiri - 415 612 M.9922948572 / 9511760259

Shop No.02, Amrutvel Complex, Nachane Road Ratnagiri, 415612

Mobile 9922948572

Email:swaraenterprisertn@gmail.com

Ref: SE/SPN/115/2022

Date: 20/05/2022

SPONSORSHIP LETTER

To,

The Principal Rajgad Dnyanpeeth's Chhatrapati Shivajiraje College of Engineering, Dhangwadi,Bhor Pune PIN Code -412206

Subject: Offering Sponsorship to the project work

Respected Sir,

This correspondence is issued as per requirement of following of your college,

- i. Gaikwad Pooja
- ii. Kanade Payal
- iii. Kazi Mansur

Above students interested to work with us regarding a project assigned to our company, thus we are sponsoring their project- IoT Based EV's Battery Swapping & Charging system using Solar

We are providing financial support to complete this project, as well as technical data & Expert guidance required for this project work. This project is useful EV owners as well as manufaturer. We are looking forward for completion of the project.

4

DIRECTOR

Mrs.Sandhya S.Nalage

Swara Enterprises

Prop. Mrs. Sandhya S. Nalage Shop No. 02, Amrutvei Complex, Ratnapiri - 415 612 (1.9922946572/0511760259

3.2 Model Making by Students



RajgadDnyanpeeth's SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune -412205 (MS), India. Website: www.rajgad.edu.in, Email Id: sescoesigmail.com

A report for Model Making of

Pamban Bridge

Model Name: Pumban Model

Name of students:

- 1. BharekarManaviUttam
- 2. Chawan Umesh Shankar
- 3. More Apurva Srikant
- 4. Lambe Durgesh Vishnu

Model Description:

Pamban Bridge is a railway bridge that connects the town of <u>Mandapam</u> in mainland India with <u>Rameswaram</u> on <u>Pamban Island</u>. Opened on 24 February 1914, it was India's first sea bridge, and was the longest sea bridge in India until the opening of the <u>Bandra-Worh Sea Link</u> in 2010. The rail bridge is, for the most part, a conventional bridge resting on concrete piers but has a doubleleaf <u>bascule</u> section midway, which can be raised to let ships and barges pass through. Until 1988, the Pamban bridge was the only surface transport that connected Tamil Nada's island of Rameswaram to the mainland. In December 2018, the bascule of this bridge was damaged, which suspended transportation on the bridge for 3 months. Rail movement was again restored on 27 February 2019.

Design

The railway bridge is located 12.5 metres (41 ft) above sea level and is 6,776 ft (2,065 m) long. The bridge consists of 143 piers and has a double-leaf <u>bascule</u> section with a <u>Scherzer rolling type</u> lift span that can be raised to let ships pass. Each half of the lifting span weighs 415 tonnes (457 tons). The two leaves of the bridge are opened manually using levers.

Planning and construction

Plans for a bridge to connect to mainland was suggested in 1870 as the British Administration sought ways to increase trade with Ceylon. The construction began in August 1911 and was opened on 24 February 1914. The adjacent road bridge was opened in 1988. As of 5 December 2018, the bridge was closed due to a crack in the bridge and the maintenance work is going on. The Indian Railway Minister Piyush Goyal announced that a new railway bridge will be constructed near the old Pamban Bridge at a cost of ₹250 crores. This new dual track bridge is planned to be constructed in automotive mode, allowing two ships to pass this bridge at the same time.





RajgadDnyanpeeth's

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist. Pune -412205 (MS), India. Website www rajgad edu in, Email Id sescoe jegmail.com

Maintenance

The bridge was damaged during the 1964 Rameswaram cyclone and required repair work. Strengthening, work was carried out on the bridge under the supervision of E. Sreedharan in 2009 to enable it to carry goods trains. On 13 January 2013, the bridge required repair work to the piers after suffering minor damage from a naval barge. In 2016, the Ministry of Railways sanctioned #25 crore (US\$3.1 million) to replace the existing 65.23 metres (214.0 ft) long rolling type span with a 66 metres (217 ft) long single truss span which could be opened automatically. All train movement was stopped from 5 December 2018 when a fissure was noticed on 4 December 2018.

Railway

The railway bridge carried metre gauge trains connecting Mandaporo on mainland India to Pamban. Indian Railways upgraded the bridge to carry broad gauge trains and the work was completed on 12 August 2007.⁽⁷⁾ From Pamban, the railway line bifurcated, one line towards Rameshwaram about 6.25 miles (10.06 km) up and another branch line of 15 miles (24 km) terminating at Dhanushkodi. [19] The Boat mail express runs from Chennai Egmore to Rameswaram. The train ran up to Dhanushkodi until 1964 when the metre-gauge branch line from Pamban to Dhanushkodi was destroyed during the 1964 Dhanushkodi cyclone.199

Road



Annai Indira Gandhi Road Bridge

The construction works of Annai Indita Gandhi Road Bridge was commenced on 17 November 1974 by the Indian Highway department and contracted to M/S Neelakandan Brothers Engs, Madras. After the 1978 cyclone the work was carried out slowly, and few years later the contract was given to the New Gammon India Ltd. The Government sanctioned ₹16.6514 crore by 1986. The work was completed in 1988 (7)





RajgadDnyanpeeth's SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune -412205 (MS), India. Website: www.rajgad.edu.m, Email Id: sescoe@rgmail.com

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Contraction of the local division of the loc	Parnban Bridge
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Carries	Rail
k.ocate	FEBreisson/arment, Tarrell Platitic, Bredin
Owner	Anodiairs Phasilin-septe
	Characteristics
Total length	6,770 feet (2.065 m)
No. of spans	144
	tail characteristics
No. of tracks	
A LOS AND A	

History Construction start 1911 Construction and 1914 Opened 1915







Head of Department

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3.3 Project Based Learning

Rajgad Dnyanpeeth's



SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

S. No. 237, Satara-Pune, NH-4, Dhangawadi, Tal: Bhor, Dist: Pune -412205 (MS), India.

Project Based Learning (PBL) A.Y. 2021-22 List of Students and Project name

Class- SE E&TC

Group no	Sr.No	Roll No	Name of Student	Project Name
	1	SET21D055	Chauhan Pardeshi Atharva Manojsing	
1.000	2	SET21D066	Shikalgar Arbaj Niyaj	
Ground	3	SET21D070	Chavan Aditya Dipak	Finger Print bank
Group I	4	SET21D074	Dhebe Pranita Sunil	Locker System
	5	SET21D057	Devkar Aishwarya Chaitanyanath	
	6	SET21D014	zanzane Prafulla Dharmaraj	
	1	SET20F001	Bahurupi Touhit Sardar	
	2	SET20F004	Gadhave Prathamesh Prashant	Thermo Electric
	3	SET20F005	Ghadge Sourabh Dilip	eneration Using
Group 2	4	SET21D026	Swami Sangmeshwar Virbhadra	Peltier Module
	5	SET21D064	Ghavare Sushant Sunil	
	6	SET21D025	Navghane Akash Dhanaji	
	1	SET20F002	Bandal Alisha Jayendra	
	2	SET20F006	Jagtap Apurva Sudhakar	Social protection
	3	SET21D018	Lohar Jayant Suryakant	for Old age and
Group 3	4	SET21D051	Apeksha Dilip Gaikwad	Womens
	5	SET21D052	Girigosavi Priyanka Shivraj	
	6	SET21D048	Khomane Shubhangi Bapu	
	1	SET21D075	Jadhav Vaibhavi Santosh	
	2	SET21D076	Pawar Swapnita Rajabhau	
	3	SET21D039	Jujare Kiran Prakash	Water level
Group 4	4	SET21D040	Patel Sayyadadnan Sarfaraj	Controller
	5	SET21D081	Khopade Pournima Sharad	-
	6	SET21D078	Khopade Chaitrali Balkrushana	
	1	SET21D079	Nailkar Dnyaneshwari Tanaji	
	2	SET21D082	Renuse Pranali	
	-	SET21D071	Nevase Aaditi Mugutrav	Android app for
Group 5	4	SET21D035	Dalvi Swati Shivaji	College Mess
	5	SET21D041	Mahamuni Pooja Santosh	
	6	SET21D046	Jagtap Manasi Arjun	
	1	SET21D059	Konde Satwika Sanjay	
	2	SET21D060	Raipure Rutuja Chandrakant	
	4	001210000	Limon Herchada Pandurano	D.L. C.
		SET710061	Liman riai shada i andunang	Philse Sensor



1	A			
	5	SET21D032	Shirke Kranti Baburao	
-	6	SET21D031	Patil Shraddha Dilip	
	1	SET20F012	Tupe Sakshi Lavman	
-	2	SET21D045	Reddi Smita Lakhan	
	3	SET21D038	Shirodkar Rachana Vishnu	Same House
Group 7	4	SET20F009	Phadtare Shweta Anil	Smart Home
	5	SET21D021	Jadhay Kartik Arun	Automation Using
1 100	6	SET21D036	Waghmare Kanchan Balali	with
-	7	SET21D054	Gayakwad Priva Popat	
	1	SET20F008	Pandelas Perista N.	
	2	SET20F010	Raut Anumetha Eteod	
	3	SET21D044	Rhatre Samerddhi Santa h	
Group 8	4	SET21D047	Baikar Shoutha Ashali	TBU de Barro
	5	SET21D043	Litekar Valshowi Damdas	UV steritzer
	6	SET20E007	Khonada Bhasanakaa Chiadi	
	7	SET21D068	Shinda Siddhi Daiandan	
	1 1	SET2IDOSS	Della Ling	
	2	SET21D038	Patri Rohit Rajaram	
	3	SET21D042	Dadhav Rohit Sanjay	
Group 9	4	SET2ID072	Palke Rupesh Shrikisan	Automatic Street
	5	SET21D050	Koli Rutukesh Rajaram	Light Controller
	6	SET2ID055	Shinde Vishal Fulchand	_
	0	SEIZIDOIS	1210015 Nigade Snweta Ottam	
	1	SET21D073	Mule Atharva Sunil	
1000	2	SET21D049	Kagade Amit Santosh	
Group 10	3	SET21D037	Sawant Ajay Rajaram	Snake Vibrator
and the second	4	SET21D062	Mulla Moin Tajuddin	Shake Viorator
	5	SET21D020	Chavan Pushpashil Prashant	
	6	SET20F011	Salunkhe Omkar Rajaram	
-	1	SET21D013	Chikane Ujiwala Krushna	
	2	SET21D019	Waghmare Ajay Sanjay	Students
Group 11	3	SET21D023	Galande Shivaji Pandurang	Attendence
Croup 11	4	SET21D028	Pawar Dhananjay Dilip	Sustam
	5	SET21D029	Dhore Pratik Chandrashekhar	System
	6	SET21D063	Chavan Sagar Umesh	
	1	SET21D033	Salunkhe Reshma Vilas	
	2	SET21D065	Bhandare Pankaj Sanjay	
and a strength	3	SET21D069	Algude Pankaj Arjun	Fire Alarm
Group 12	4	SET21D077	Sutar Pradnya Vasant	System
	5	SET21D080	Gadhave Ankita Sambhaji	
	6	SET21D083	Khot Pratiksha	
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Engg. Deptz

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Coordinator

Dichare

HOD HOD E & TC Engineering Dept. Shri Chhetarspati Sniveji Raje College Of Engineering, 55-angewedt. Tel-Shor, Dist-Pune. Pin-612266

3.3 Mini Project

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BAIGAD DNYANPELTIES

Shri Chhatrapati Shivajiraje College of Engineering S.No.237,Dhangawadi,Tal - Bhor,Dist - Pane

S.	Group	C.005: 1	L (E. & TC) TE Mini Project Details	A. Y. 2021-22		
-	Group	Roll No.	Name of the Student			
1	1400	TETROPACIO	is and of the Statetin	Name of Project		
12	Ground	TET20D030	PARWADI AYUSH ASHOK			
3	- Crinofr a	TETIOLOSS	SAWANT KAJ DNYANESHWAR	Data Logger System		
4		TET10P041	SUTAR PRATIK ADHIKRAO			
5	Group 2	TET20D006	DHONDE ABHIJEET VITTHAL			
6	- stroop =	TETTODOUS	DEOKAR POONAM DHANAJI	Voice based Notice Board System		
7		TET200043	WALHERAR KOMAL BALASO			
8	Group 3	TETTODOUS	BHIMANAVARU BASAVRAJ ARJUN			
9	- Group o	TET200011	GHATAKAMBLE SANDEEP SIDHALINGAPPA	Home automation using IOT		
10		TET200032	PAWAR GANESH PANDURANG			
11	Ground	TET20D031	PATIL ARCHANA MAHADEO			
12	- Citoup 4	161200001	BABAR RUTUJA PRADIP	Facial Emotions Recognition Using ML		
13	-	1E119F007	DUDHANE TEJAS TANAJI	printer and the		
14	Group 5	TET20D018	KANSE PAYAL ASHOK			
15	- Oroup 5	161200025	MALAVI VISHAL SHIVAJI	Home automation using IOT		
16	-	1E120D042	SUTAR SHABDASHREE			
17	Group 6	TE120D019	KASHID DEEPALI BABURAO			
10	17 Group 6 1E120D022		KOKATE ANKITA BALASAU	AUTOMATIC STREET LIGHT		
10	-	TET19D016	KADALE SHRUTIKA PRAMOD			
20	Come a	1E120D021	KHOPADE AARATI NAMDEV			
20	Group /	TE119F026	MALEKAR KOMAL SANJAY	Text to Speech Southesizer		
22		TE118F017	KADAM DHIRAJ SUHAS	same of observery of interstrate		
22	Course	TE120D039	SHAIKH SHAHRUKH SALIM			
23	Group 8	TET20D029	MORE MAHESH SUNIL	Hand Talk Assistance System		
24	-	TET20D044	TAVARE SHUBHAM LAXMAN	Think tank ressonance System		
45		TET20D009	GADEKAR NILAM RAMESH			
25	Group 9	TET20D036	SALUNKE PRATIKSHA PANDURANG	Arcident Presention Summer		
27		TET20D008	GADE RUSHIKESH NARAYN	recorden Prevention System		
28		TET20D023	KOKATE UMESH RAMESH			
29	Group 10	TET20D027	METIL MAHENDRA RANGRAO	Electronics compliant display with a 4 1		
30		TET20D040	SHENDAGE BHAGYASHREE UMAJI	exectories scrotling display with arduino		
31	12 32	TET20D028	MORE KETAN VUAY			
32	Group 11	TET20D012	JADHAV ANIKET NATHU			
33		TET20D024	KONDHALKAR POOJA RAMCHANDRA	Smoot Diamonda and a second		
34		TET19F034	PAWAR SWARALI RAMCHANDRA	Smart Biometric pen drive System using fingerprint Module		
35	Group 12	TET19F035	RENUSE ARCHANA SITARAM	Planation		
36	1000	TET20D013	JADHAV JYOTI SANJAY	Bluetooth based home automation using arduino		
37	a	TET20D004	DESHMUKH SAMEER SATISH			
38	Group 13	TET20D014	JADHAV PRIVANKA TANAN			
-	Group no.		TANAN TANAN	Distance measurment Using Ultrasonic Sensor		
39	Back	BET19D029	POMAN SONALI ANIL	Bridge Collapse Detector		
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Coordinator





RAJGAD DNYANPEETH'S

SHRI CHHATRAPATI SHIVAJIRAJE COLLEGE OF ENGINEERING

A

REPORT

ON

MINI PROJECT

"WOMEN AND OLD AGE SAFETY DEVICE USING GPS AND GSM"

PROGRAM: ELECTRONICS AND TELECOMMUNICATION ENGINEERING

1

COURSE: PROJECT BASED LEARNING (PBL).

COURSE CODE: 204200

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CERTIFICATE

This is certified that the mini project for Project Based Learning (PBL) entitled

"WOMEN AND OLD AGE SAFETY DEVICE USING GPS AND GSM"

Submitted by

Jagtap Apurva Sudhakar	Exam no- \$190713030
Bandal Alisha Jayendra	Exam no- \$190713006
Lohar Jayant Suryakant	Exam no- 8190713045
Gaikwad Apeksha Dilip	Exam no- \$190713003
Girigosavi Priyanka Shivraj	Exam no- \$190713026
Khomane Shubhangi Bapa	Fxam no- \$190713035

is a bonafide work carried out by them under the guidance of Prof. S.D.PASALKAR and it is approved for the partial fulfilment of the requirement of the Savitribai Phule Pune University, for the Bachelor of Engineering in Electronics and Telecommunication Engineering.

Prof.S.D.Pasalkar

Guide

below .

Prof.T.M.Dudhane

Head of Dept.(E&TC Engg.)

Place: Dhangawadi

Date:



- Will

Dr.S.B.Patil Principal Principal of SCSCOE International Contemporate College of Engr. Othergreved, Pane-412206

ACKNOWLEDGEMENT

We are feeling very humble in expressing my gratitude. It will be unfair to bind the precious help and support which we got from many people in few words. But words are the only media of expressing one's feelings and my feeling of gratitude is absolutely beyond these words. It would be my pride to take this opportunity to say the thanks.

Firstly, we would thank our beloved guide Prof.Dr.S.B.Patil Sir for his valuable guidance, patience and support. He was always there to force us a bit forward to get the work done properly and on time. He has always given us freedom to do mini project work and the chance to work under his supervision.

We would like to express our sincere thanks to Prof.S.D.Pasalkar Sir for his constant encouragement in the fulfillment of the mini project work. He always remains a source of inspiration for us to work hard and dedicatedly. We are deeply indebted to our H.O.D. Prof. T.M.Dudhane, who has extended valuable guidelines help and constant encouragement through the various stages for the onslaught of the project.

It is the love and blessings of our families and friends which drove us to complete this project work.

Thank you all!

Apurva Jagtap- 72154961G Alisha Bandal- 72154931E Jayant Lohar- 72208552E Apeksha Gaikwad -72208519C Priyanka Girigosavi -72208536C Shubhangi Khomane -72208543F

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VI.

ABSTRACT

In this project, we will make Women and old age people safety device using GPS and GSM Modesn. This project is based on shock circuit and the emergency switch which tracks the location and sends an SMS to the emergency contacts.

This project can be used to protect old people and women in case of harassment. Women can use the hand held device to give shock to the person and press then press the emergency switch. After pressing the emergency switch the message and location will be sent to the emergency contacts which we have decided. In case of old people, we will implement this same in the walking stick. So when they are in trouble they can give the shock to the person troubling them and after pressing the emergency switch the message and the location will be sent to the emergency contacts.

We can use LED to display whether the message and location is sent or not.

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INTRODUCTION

Security is the most important aspect in one's life. It is being protected from danger or loss. In general sense, security is a concept similar to safety. The difference between the two is an added emphasis on being protected from dangers that appear from outside. Individuals or actions that bring threat to the security stand guilty in front of the law. The word "security" in general usage is synonymous with "safety," but as a technical term "security "means that something not only is secure but that it has been secured.

The proposed design presents women and old age safety detection and alerting system using GPS and GSM modules. GPS Receiver gets the information of the accurate location from satellites around the earth in the form of latitude and longitude. It needs minimum of four satellites to get the accurate location. This model can be designed in such a way that detects the location of victim and allows the rescue system to take action accordingly, based on the electronic gadgets like GPS. The system that which resembles normal cloves which when turned on it tracks the location of victim using GPS services to necessary emergency contacts and police control room. Thus this helps the victim against attacker for self defence. It also contains shock circuit which can protect the victim for sometime. It is a distinct aid product designed to keep the user and their associate safe 24/7.It is filled with features for both everyday safety and real emergencies. Our aim is to provide you with firmest and natural way to connect your nearby hand. It shares the current location and a heartache message to the cops and the emergency contacts, so that disastrous circumstance can be avoided. This is very useful to police department to compress the lawbreaking, which are abuse. We intend to create a partial wearable that can provide a complete security solution and become a utility that cases the apprehension among women and old age members. At times of critical situations the woman can send message or make a call to the registered contacts via GSM and GPS.

LITARATURE SURVEY

[1] It is about the present scenario of security to women and old age is very less and in order to provide security to women and old people is very essential. Hence to provide the security, an application is to be built and given with sufficient data like human behaviour. It has to be accessed to GPS services. This application can detect the location hence this proposed system help in dealing with the problem faced by women and old age people which can be solved with technical knowledge.

[2] Nowadays the important issue in the society is women and old age people safety. In this paper the model will help to protect the women and old people from the attackers. The proposed model contains various devices like GPS, GSM and panic button. Here GPS is used to detect the location of the device. In this paper to ensure a security to a women and old people in the society by providing sending ofthreats and sends a notification to their relatives and nearest police station.

[3] It is discussed about how the system is designed to ensure women's and old people security. This system is used to locate women based on GPS technology. In this way, the signals that have been created are sent to the board, manage the signals and provide SMS services, so emergency calls can be shared with the location of the coordinates to save women from harassment.

[4] It proposes the dangerous issues faced by the women and it will help in finding the culprit easily with help of high technologies. And it will be easy to implement in different areas for security and surveillance of women.

[5] It all about providing safety to women on designing the smart device. This device helps to identify the critical situation of women. Women safety has become major issue in day to day world. They can't have real freedom as the men as since they are not physically strong enough. Thus in dangerous situations this will act as protecting hand. This uses GPS and GSM module with Arduino device. When a woman feels insecure in any situation she can press the wireless key which provides the location from GPS and GSM. This design helps to handle the dangerous situation faced by women. This paper also helps for the further development of the design by providing the basic and the technical information.

[6] In our country there is less safety for women and old people so this paper is designed for women in emergency and in distress. It is simple and easy to use.

PROBLEM DEFINITION

In the last borrific incident in Jammu and Kashmir, we have shocked the nation and warned us about women's safety and security. In regards to issues, people have different means of protection. Finally, tools should be introduced to ensure women's and old age people protection with different technologies.

OBJECTIVE

Security is a condition for protection against accidents or losses. In general, security is a concept similar to security. The difference between the two is an additional emphasis on protecting from external accidents. Individuals or activities that violate the terms of protection are liable for any breach of security. The word "aafety" is a general term for "aafety", but a "safety" technique means something not only true but also safe. This project demonstrates women's security systems using the GPS and GSM modules. This messaging and messaging system has a GPS receiver, and a GSM module. The microcontroller processes this information, and this processing information is sent to the user through the GSM modem. The GSM model is connected to the MCU. The GSM module sends SMS messages to a predefined phone number. When a woman is in danger and needs self protection, she can press the switch provided. By pressing the key, the whole system will be activated, and then a SMS will be sent to locate a person using GSM and GPS.

· BLOCK DIAGRAM



Fig:1 Block diagram



L GSM Modem

Global system for mobile communication (GSM) is a worldwide accepted standard for digital cellular communication. GSM is the name of a standardization group recognized in 1982 to create a common European mobile telephone standard that would formulate conditions for a pan European mobile cellular radio system operating at 900 MHz. Whenever someone sense unsafe, GSM (Global System for Mobile communication module) sends extremity message to chosen contacts and the police control room.



Fig.3 GSM Modem

2. Esp8266 (node mcu)



Fig.4 Esp8266(node mcu)

Node MCU ESP8266 Wifi Module is an open-source Lua based firmware and development board specially targeted for IoT based applications. It includes firmware that runs on the ESP8266 Wi-Fi SoC from Espress if Systems, and hardware which is based on the ESP-12 module.

3. Gsm (sim800c)



Fig.5 Gsm(sim800c)

SIM800C is a complete Quad-band GSM/GPRS solution in a SMT type, which can be embedded in the customer applications. SIM800C supports Quad-band 850/900/1800/1900MHz, it can transmit Voice, SMS and data information with low power consumption.

4. GPS (neo6m)

Ability to sense locations with NEO-6M GPS Module that can track up to 22 satellites and identifies locations anywhere in the world. It may serve as a great launch pad for anyone looking to get into the world of GPS.



Fig.6 GPS (neo6m)
5. LCD display

LCD (Liquid Crystal Display) is a type of that panel display which uses liquid crystals in its primary form of operation. LEDs have a large and varying set of use cases for consumers and businesses, as they can be commonly found in smart phones, televisions, computer monitors and instrument panels.



Fig.7 LCD Display

6.12C

12C stands for Inter-Integrated Circuit. It is a bus interface connection protocol incorporated into devices for serial communication. It was originally designed by Philips Semiconductor in 1982. Recently, it is a widely used protocol for short-distance communication. It is also known as Two Wired Interface (TWI).



Fig.8 12C

7.12v 2A adapter

12V power supplies (or 12VDC power supplies) are one of the most common power supplies in use today. In general, a 12VDC output is obtained from a 120VAC or 240VAC input using a combination of transformers, diodes and transistors.



Fig.9 12v 12A adapter

8. Transformer less power supply:

As you see in the above the circuit diagram it has Transformer less Power supply system for charge the battery (3V rechargeable battery). If you don't know how transformer less power supply works and if you want to make a transformer less power supply then you read our previous article about Transformer less Power supply.



Fig.10 Transformer less power supply

9. Oscillator Circuit:

2 3

в

5

5

5

5

2

5

5

You already know that battery has DC source and we cannot step up DC. So an Oscillator circuit is used to convert DC to Pulsating AC. The Oscillator circuit consists of a Transistor, capacitors, and resistors.



Fig.11 Oscillator circuit

10. Transformer

A transformer you can call also pulse transformer is used to step up the oscillating frequency and voltage.



Fig.12 Transformer

II. Ladder Network:

The output of the transformer is boosted up through a ladder network which consists of diodes and capacitors.



Fig.13 Ladder circuit

12. Output Capacitor: You can see the circuit has a non-polarized capacitor of 1200V which connected in parallel with the output terminals for storing high voltage and discharge during operation.



· Working

- GPS Receiver gets the information of the accurate location from satellites around the earth in the form of latitude and longitude.
 - 2. It needs minimum of four satellites to get the accurate location.

3. The Microcontroller processes this information and this processed information is sent to the user using GSM modern using AT commands.

4. A GSM modern is interfaced to the MCU.

5. The GSM modem sends an SMS to the predefined set of mobile numbers.

6. When they presses the shock button and touch the safety device or the stick against the body of the person troubling them the capacitor used in the shock circuit discharges in the body of the person and he/she gets the shock. Then by pressing the button, the entire system will be activated then immediately a SMS will be sent to concern person with location using GSM and GPS.

RESULT AND ANALYSIS

The overview of the system is shown in the figure. When powered on, the alerting system works as expected. The preview of the SMS sent by the system is presented in



Fig.15 System Initializing



Fig.16 System Ready

Latitude:18.452370 longitude:73.836670 l am in Trouble http://maps.google.com/maps?&z =15&mrt=yp&t=k&q=18.452370+73 .836670

2,23.000

Fig.17 Message Sent



CONCLUSION

The proposed design helps women and old age people send out a distress signal in times of need. The design, when developed further and fabricated will help women and old people feel more secure in dangerous situations. The society we live in still has a long way to go in terms of changing its mindset, but with the use of technology such as this we can help women and old age people be more independent.

FUTURE SCOPE

- Android and i-OS Apps can be developed to provide-- better UI for various settings like setting up mobile number etc.
 - A buzzer like mechanism can be used to seek help from neighbouring people.
 - Voice recorder and camera can also be added to the system.

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