1.2.1 Number of Add on /Certificate/Value added programs offered during the last five years

Institutional Programme Brochure/value added programs course modules

Civil Engineering Department

AY: 2022-2023

Program Name: Free ISRO Sponsored Capacity Building in Space Based Disaster Management Support and Risk Reduction for Maharashtra State

PHCET has been fulfilling this objective by being an Outreach Network Institute with the support of the Indian Institute of Remote Sensing IIRS, Dehradun since July 2017. PHCET also under the umbrella of the Indian Society of Remote Sensing ISRS Mumbai Chapter conducts various seminars, workshops, space science fairs, etc. to inculcate awareness of choosing space science as their carrier. To date around 10,000 plus students have been taught for free at this IIRS Outreach Centre and about 100 plus courses in various domains like remote sensing, disaster management, GIS, GNSS, etc have been conducted. Many students after competition of these outreach courses have gone to IIRS for internship and have done various recent projects under the guidance of scientists of IIRS. This case study signifies that post rural school and college education, these young students have developed an interest in pursuing a future education in the field of space science.

The civil engineering department, in association with the Indian Space Research Organisation ((Department of Space) Dehradun, organized space-based disaster management sponsored by the ISRO Disaster Management Support Programme (DMSP) for one week from 20 th March to 25 th March 2023 at Pillai HOC College of Engineering and Technology, Rasayani for 35 participants. All facilities for food, stay etc. will be provided.

The basics objectives:

- 1. To provide comprehensive knowledge and sensitize the learner's potential in Space Based Disaster Management (SBDM) Preparedness, Mitigation, Response, and Recovery.
- 2. To provide information on various data sources and government initiatives.
- 3. To understand the science behind all disasters, focus more on major disasters such as floods, cyclones, droughts, etc., which occur quite frequently in Maharashtra State.

PRINCIPAL

Mahatma Education Society's

Pillai HOC College of
Engineering and Technology.

Pillai's HOC Educational Campus
Rassyani, Tel. Khalapur

Dist. Raigad, Pin-410 207

- 4. To create community awareness and strengthen the framework of policies and institutional mechanisms for community mobilization and participation in Space Based Disaster Management (SBDM).
- 5. To identify various techniques, tools, datasets, and methodology using case studies and equip learners with advanced technology.
- 6. To analyze and understand the different regional, national, and international resources available on geospatial technologies that can be applied in disaster management (DM).
- 7. To identify and discuss various gaps in current disaster management methodologies, policies, and practices and work towards challenges that will help in Disaster Risk Reduction (DRR).

Outcomes:

- 1. To create a forum wherein views and ideas related to SBDM can be discussed, interchanged, and immediate support/ guidance can be provided if and when required.
- 2. The Consultation would serve as a milestone for further actions in enhancing the state and district-level capacities to prepare and update State and District level Disaster Management Programmes (DMPs).
- 3. Exchange of faculty, experts, and resources for future events.
- 4. Sharing of tools, datasets advanced technologies.

PRINCIPAL

Mehatma Education Society's
Pillai HOC College of
Engineering and Technology,

Illei's HOC Educational Campus
Rassyani, Tal. Khalapur
Dist. Raiged, Pin-410 207



Participants along with faculty of Civil Engineering Department



Closing Ceremony of the Program



Mahatma Education Society's
Pillai HOC College of
Engineering and Technology.
Pillai's HOC Educational Campus
Rassyani, Tal, Khalapur
Dist, Raigad, Pin-410 207

Brochure:

Mahatma Education Society

Mahatma Education Society
Mahatma Education Society (MES) completed its
50th year in the field of education in 2020. It is a
pioneer in establishing and managing institutions
in various streams of education. Mahatma
Education Society was established in the year
1970 by a group of teachers to spread education
for all. Society today has 48 institutions from
pre-primary to post-graduation to research with
over 30.000 students and over 2,500 teachers.
The society manages several schools imparting
instruction in SS.C., C.B.S.E., I.G.C.S.E. and I.B.
programmes, Junior Colleges, Degree Colleges,
Engineering Colleges, Architechure College,
Management schools, Polytechnics and Teacher
education programmes at different locations in
Mumbai, Navi Mumbai and Rasayani (Raigad
District). Most of the colleges are reaccredited 'A'
Grade by NAAC and also accredited by NBA &
other College of

Pillai HOC College of **Engineering and Technology** (PHCET), Rasayani

Mahatma Education Society's Pillai HOC College of Engineering & Technology (PHCET), Rasayani was established in 2009 and is affiliated with the University of Mumbai and recognized by AICTE & DTE. In less than 10 years of span. PHCET is recognized as one of the premier institutions delivering professional courses in Engineering & Technology at the Undergraduate as well as Post Graduate levels. PHCET is accredited with an 'A' Grade by NAAC and also accredited with an 'A' Grade by NAAC and also accredited by NBA (Mechanical & Computer Engineering) & other Government bodies.

Currently, PHCET offers the following courses-

- Civil Engineering (UG & PG)
 Computer Engineering (UG & PG)
 Electronics & Computer Science (UG)
 Electroal Engineering (UG)
 information Technology (UG)

- Mechanical Engineering (UG & PG)
 Civil & Computer Engineering (Ph.D.)

Programme Objectives

- To provide comprehensive knowledge and sensitize the learner's potential in Space Based Disaster Management (SBDM) Mitigation, Propagators Percentage and Disaster Percentage and Disaster Percentage Percentag Preparedness. Response, and
- To provide information on various space-based data sources and government initiatives.
- 3. To understand the science behind all disasters and focus more on space based disasters such as floods,cyclones, droughts, earthquakes, sea level rise, etc. which occur quite frequently in Maharashtra.
- 4 To create public awareness and strengthen the framework of policies and institutional mechanisms for community mobilization and participation in Space Based Disaster Management
- 5 To identify various techniques, tools, datasets, and methodology using case studies and equip learners with advanced space-based technology.

Programme Outcomes

- Understand the concept of Disaster Risk Assessement, Reduction and Management at
- Assessement, reduction and management and global scenerio Describe and utilize spatial data, gegographic information systems (GIS) and remote sensing. Utilize existing sources of histrical dataset. Utilize risk information in emergency preparedness.
- planning. Visualize hazard and rsik information.

Who Can Apply?

Government officials and professionals educators, university students, and othe stakeholders working in the field of disaste management.

Importment Information

Last date of Registration - 4th March, 2023 -6th March, 2023 Date of Confirmation

Mode of conduct - Offline No of Seats - 50

Registration Fees - NIL



ISRO Disaster Mangement Support (DMS) - Capacity Building (CB) Program

Under ISRO's Disaster Management Support (DMS) Programme has been actively supporting the Central and State governments by providing operational services during pre-disaster, during-disaster and post-disaster time-frames, including experimental forecasts, using space systems. Capacity Building (CB) in space technology for disaster management under ISRO DMS Programme has been identified as a key element to motivate the participants to develop innovative methods, tools, data products and services in the field of disaster management using space technology, DMS-CB program is one such unique effort funded by ISRO initiated to fulfil the requirements the



PRINCIPAL Mahatma Education Society's Pillai HOC College of Engineering and Technology. Pillel's HOC Educational Campus Rassyani, Tal. Khalapur Dist. Raigad, Pin-410 207

PATRONS

Dr. K. M. Vasudevan Pillai (Hon. Chairman, MES) Dr. Daphne Pittai Dr. Priam Pillal Mr. Franay Pillai Dr. Lata Monon

Dr. J.W. Bakat

(Hon. Secretary, MES) (Hon. COO, MES) (Hon. Dy. CEO, MES) (Dy. CEO, Rasayani Campus) (Principal, PHCET)

CORE COMMITTEE

Dr. Karthik Nagarajan

Secretary, ISRS Mumbai Chapter novation Ambassador, Institute Innovation Council,MHRD

Mobile No: 8779 605 643. Email Id: knagarajan@mes.ac.in Prof. Raju Narwade

Co-Convenor

Head of Department & Associate Profe Department of Civil Engineering, PHCET Treasurer ISRS Mumbai Chapter Innovation Ambassador, institute Innovation Council MHRD Mobile No: 8108 20 21 22. Email ld: narwaderajp@mes.ac.in

ORGANIZING COMMITTEE

és Smitha A.S.

Dr. Shitpa Kewate Ms. Machutika Sini Mr. Anwar Seyyed Ms. Ashwini P

Ms. Astroni P Me Shivraj Patil Ms. Swati Mhaskar Me Prashant Singh Mr. Hardik Panchal Mc Shivaji Sarvade

Preparing Disaster Risk Responding Management

Associate Professor, Department of Civil Engineering, PHCET Capacity Building in Space-Based
Network Coordinator, IRS ISRO Outreach Centre.

Disaster Management Support and Risk Reduction for Maharashtra State (Basic Course)

Sponsored by



ISRO Disaster Management Support Programme (DMSP)

Dates for Programme 20th March - 25th March, 2023



MAHATMA EDUCATION SOCIETY'S PILLAI HOC COLLEGE OF ENGINEERING AND TECHNOLOGY DEPARTMENT OF CIVIL ENGINEERING Via Panvet, Rasayani, Tatuka Khalapur, Rasayani Website - www.phcet.ac.in, Contact No - +2192669000 /01/02/03

AY: 2021-2022

Program Name: Indian Institute of Remote Sensing Outreach Programme organized by Pillai HOC College of Engineering & Technology on Basic of RS, GIS & GNSS on 16th August

2021 - 26th November 2021

The Basics of Remote sensing certification course will expose the topics like Thermal Remote Sensing, Earth Observation Sensors, Remote Sensing, Visual Image interpretation and more. The instructor also discussed topics like digital image processing techniques like image registration and rectification, along with image classification and enhancement techniques. Basics of Remote sensing, GIS & GNSS Technology and Their Applications training by Swayam will use free, open-source software to demonstrate and develop concepts throughout the course. Lastly, you will get a chance to earn a certificate by qualifying in the internal and final assessments.

Brochure:





PRINCIPAL
Mehatma Education Society's
Pilial HOC College of
Engineering and Technology,
Pilial's HOC Educational Campus
Rassyani, Tal. Khalepur
Dist, Raigad, Pin-410 207





Course Syllabus:

Course Schedule

s. No.	Course Name	rse Name Module Name		To	
I.	Basic of RS, GIS & GNSS	Complete Basic Course	16-08-2021	26-11-2021	
Remote Sensing & Digital Image Analysis		Module-1	16-08-2021	10-09-2021	
3.	Global Navigation Satellite System	Module-2	13-09-2021	24-09-2021	
4.	Geographical Information System Module	Module-3	27-09-2021	22-10-2021	
Basics of Geocomputation and Geoweb Services		Module- 4	25-10-2021	02-11-2021	
6.	RS & GIS Applications	Module-5	08-11-2021	26-11-2021	

AY: 2020-2021

Remote Sensing Applications in Agricultural Water Management: August 03 – August 07, 2020

Agriculture has been a vital sector and back bone of Indian rural economy. In agriculture, water

PRINCIPAL
Mahatma Education Society's
Pillai HOC College of
Engineering and Technology,
Pillai's HOC Educational Campus
Rassyani, Tal. Khalapur
Dist. Raigad, Pin-410 207

is a scarce and indispensable resource for the achieving food security, sustainable ecosystems as well as maintained hydrological cycle. The changes in land use have accelerated in recent years. The estimation of water for agricultural use needs to be updated frequently, which is time-consuming and cost ineffective with traditional field based techniques. In present context, Earth Observation (EO) satellites operated in optical/thermal and microwave domains with frequent revisit and improved spatial resolution providing periodic monitoring of crop information such as irrigated crop area, crop condition, phenology, evapotranspiration, water stress and soil moisture for informed decision making on water management. Furthermore, availability of new airborne sensors and unmanned aerial vehicle (UAV) supported earth observation and their combination with process based models/ground based instrumentation i.e. eddy flux tower, large aperture scintillometer, lysimeter, Bowen ratio energy balance etc. are facilitating the development of new data processing techniques as well as their integration to develop precision irrigation systems and geospatial crop water accounting.

Brochure:



PRINCIPAL

Mahatma Education Society's

Pillal HOC College of

Engineering and Technology.

Pillal's HOC Educational Campus

Rassyani, Tal. Khalapur

Dist. Raigad, Pin-410 207

About the Course

Agriculture has been a vital sector and back bone of Indian rural economy. In agriculture, water is a scarce and indispensable resource for the achieving food security, sustainable ecosystems as well as maintained hydrological cycle. The changes in land use have accelerated in recent years. The estimation of water for agricultural use needs to be updated frequently, which is time-consuming and cost-ineffective with traditional field based techniques.

In present context, Earth Observation (EO) satellites operated in optical/thermal and microwave domains with frequent revisit and improved spatial resolution providing periodic monitoring of crop information such as irrigated crop area, crop condition, phenology, evapotranspiration, water stress and soil moisture for informed decision making on water management. Furthermore, availability of new airborne sensors and unmanned aerial vehicle (UAV) supported earth observation and their combination with process based models/ground based instrumentation i.e. eddy flux tower, large aperture scintillometer, lysimeter, Bowen ratio energy balance etc. are facilitating the development of new data processing techniques as well as their integration to develop precision irrigation systems and geospatial crop water accounting.

Course Contents

- Concept and fundamentals of agricultural water management & role of EO in water management
- Remote sensing of irrigated crop area mapping and irrigation crop water requirement
- Remote sensing of regional crop evapotranspiration estimation
- Satellite remote sensing of soil moisture and global products
- UAV and advanced remote sensing for agricultural water management

Target Participants

- This course is designed for professionals from Central / State Govt. / Private Organizations / NGO/ students & researchers engaged in water management aspects of agriculture.
- The course participants have to be duly sponsored by their university/ institution and application should be forwarded through coordinators from respective Organisations/ Centres. Users attending programmes under CEC-UGC / CIET / other networks can also participate. Institutions on high speed National Knowledge Network (NKN) can also participate.

Course Study Material

Course study materials like lecture slides, video recorded lectures, open source software & handouts of demonstrations, etc. will be made available through eclass. Video lectures will also be uploaded on e-class (https://www.eclass.lirs.gov.in/login).

Course Fee

There is no course fee for attending this programme.

Course Registration

- Course updates and other details will be available on URL-http://www.iirs.gov.in/Edusat-News/
- To participate in this programme the interested organizations/ universities/ departments/ Institutes has to identify a coordinator at their end. The identified coordinator will register online his/her Institute as nodal center in IIRS website.
- All the participants have to register online through registration page by selecting his/her organization as nodal center.

Course Funding & Technical Support

The programme is sponsored by National Natural Resources Management System – Standing Committee on Training and Education (SC-T), Indian Space Research Organisation, Department of Space, Government of India.

Programme Reception

Programme can be received through e-class platform of IIRS-ISRO using internet connectivity. No specific hardware/software required. However, it is recommended good internet connectivity at user end. To run the programme in class room, following hardware will be required:

- Desktop computer with web camera microphone and output speakers or laptop with microphone camera and output speaker.
- · Large display screen/projector/TV.

Important links

Courses updates and other details will be available on URL – https://www.iirs.gov.in/EDUSAT-News

To participate in this programme the interested organisations/universities/departments/institutes have to identify coordinator at their end. The identified coordinator will register online his/her institute as nodal Centre in IIRS website

(https://elearning.iirs.gov.in/edusatregistration/coordinator)
All the participants have to register online through
registration page by selecting his/her organization as nodal
Centre.

https://elearning.iirs.gov.in/edusatregistration/student

Award of Certificate

Working Professionals and Students: Based on 70% attendance and 40% in the online examination

There are limited number of seats.

Registration will be done on first come first serve basis

Course Syllabus:

Finalvol

PRINCIPAL
Mahatma Education Society's
Pillai HOC College of
Engineering and Technology,
Pillai's HOC Educational Campus
Rassyani, Tal. Khalapur
Dist. Raigad, Pin-410 207

Date	Date Lecture Topic of the lecture		Faculty	
Aug 03, 2020	LI	Concept and fundamentals of agricultural water management & role of EO in water management	NRP	
Aug 04, 2020	L2	Remote sensing of irrigated crop area mapping and irrigation crop water requirement	AD	
Aug 05, 2020	L3	Remote sensing of regional crop evapotranspiration estimation	AD	
Aug 06, 2020	L4	Satellite remote sensing of soil moisture and global products	NRP	
Aug 07, 2020	L5	UAV and advanced remote sensing for agricultural water management	NRP	
Aug 07, 2020		Panel discussion		

AY: 2019-2020

Short Term Training Programme on "Post Covid Challenges in Infrastructural and Environmental Engineering "organized by Civil Dept,Pillai HOC Collge of Engineering & Technology on June 8- 12, 2020

In commemoration of Golden Jubilee year of Mahatma Education Society, Department of Civil Engineering in association with Indian Society of Remote Sensing, Mumbai Chapter, Association of Structural Rehabilitation, Mumbai Chapter and Institution of Engineers, India, Belapur local chapter conducted a Short-Term Training Program on Post Covid Challenges in Infrastructural and Environmental Engineering from 8th June to 11 June 2020. Eminent speakers from academic, various field of civil and construction industry delivered their lecture. Effect of Covid-19 pandemic on construction industry were discussed. More than 500 participants from all over India registered. The sessions were conducted by eminent speakers through google meet and there was live streaming through YouTube. The registration link is follows https://forms.gle/WMyFtU6UhitTanJL8. The link was shared with students and faculty all over India and the total registration for the program was slightly less than 500. Link for each session was shared with registered participants via mail and WhatsApp group. Participants provided their feedback everyday through the link shared with them. Certificate was awarded to all participants who attended the sessions and gave feedback.

The online STTP was organised with the following objectives:

PRINCIPAL

Mahatma Education Society's

Pillai HOC College of

Engineering and Technology,

Pillai's HOC Educational Campus

Rassyani, Tal. Khalapur

Dist. Raigad, Pin-410 207

To enhance the knowledge of students and faculty in the field of infrastructure development and environmental engineering.

To prepare the participants to overcome the challenges of unforeseen situations of lockdown and covid 19 pandemic.

To judiciously utilise the time during the lockdown for gaining knowledge.



Speaker giving details on challenges facing by the society during Covid

Brochure:



PRINCIPAL

Mahatma Education Society's
Pillel HOC College of
Engineering and Technology.

Pillel's HOC Educational Campus
Rassyani, Tal. Khalapur
Dist. Raiged, Pin-410 207

Sr. No.	Date	Time	Speaker	Topic
1	08.06.2020	11.00 to 11.30 am	Inaugural function	
2	08.06.2020	11.30 am to 1.00 pm	Prof. Dr. Sunil Kute Dean (Academics) K.K. Wagh Institute of Engg. Education and Research, Nashik	Post Covid Challenges for Civil Engineers
3	09.06.2020	11.30 am to 1.00 pm	Mr. Vikas Ramgude Superintending Engineer, Public Works Department	Recent Trends in Bridge Construction
4	10.06.2020	11.30 am to 1.00 pm	Mr. Prejith P. Assistant General Manager - Design, Dilip Buildcon, Indore Metro Project	Design Aspects of Metro and Monorail Projects
5	11.06.2020	11.30 am to 1.00 pm	Dr., Rajesh Gujar Assistant Professor, Pandit Deendayal Petroleum University, Gujrat	Artificial Intelligence for Civil Engineers: An Overview
6	11.06.2020	2.00 to 3.30 pm	Prof. Dr. S. Ganapathy Yenkatasubramanian, PROFESSOR, Anna University	Environmental Management and Law
7	12.06.2020	11.30 am to 1.00 pm	Mr. Suyash Mandal PhD Research Scholar, Queens Land University, Brisbane, Australia	Advances in Anaerobic Digestion of Waste water Sludge and Solid Waste
8	12.06.2020	1.00 - 1.30	Valedictory Function	

AY: 2018-2019

Advances in Disaster Management and Risk Reduction - A Remote Sensing and GIS Approach

An STTP on 'Advances in Disaster Management and Risk Reduction - A Remote Sensing and GIS Approach' was conducted on 24th June 2019- 29th June 2019 by Department of Civil engineering. Disaster means a catastrophe, mishap, calamity or grave occurrence in any area, arising from natural or manmade causes, or by accident or negligence which results in substantial loss of life or human suffering or damage to, and destruction of, property, or damage to, or degradation of, environment, and is of such a nature or magnitude as to be beyond the coping capacity of the community of the affected area.

Course Objectives

- 1. Provide comprehensive knowledge to the learners on Disaster Preparedness, Mitigation & rehabilitation
- 2. Enable the learner to carry out risk assessment & vulnerability analysis

3. Generate community awareness & strengthen institutional mechanism for community mobilization & participation in Disaster Management

PRINCIPAL

Mehatma Education Society's

Pillal HOC College of

Engineering and Technology,

Pillal's HOC Educational Campus

Rassyani, Tal. Khalapur

Dist. Raigad, Pin-410 207

- 4. Develop communication skills for Disaster Preparedness Create greater awareness about effective Disaster in various emergency situations
- 5. Equip learners with tools for meeting emergency medical requirements.

Course Content

- 1. Physics and varioustypes of disasters occurring around the world
- 2. Extent and damaging capacity of a disaster
- 3. Study and understand the means of losses and methodsto overcome / minimize it.
- 4. Role of individual and various organizations duringand after disaster
- 5. Application of GIS in the field of disaster management
- 6. Emergency government response structures before, during and after disaster.
- 7. Early warning and vulnerability assessment for natural disasters in India

Brochure:



PRINCIPAL

Mahatma Education Society's

Pillai HOC College of
Engineering and Technology,

Pillai's HOC Educational Campus
Rassyani, Tal. Khalapur
Dist. Raigad, Pin-410 207

About STTP

Disaster means a catastrophe, mishap, calamity or grave occurrence in any area, arising from natural or manmade causes, or by accident or negligence which results in substantial loss of life or human suffering or damage to, and destruction of, property, or damage to, or degradation of, environment, and is of such a nature or magnitude as to be beyond the coping capacity of the community of the affected area (definition according to Disaster Management Act 2005, Government of India)







1. Provide comprehensive knowledge to the learners on Disaster Preparedness, Mitigation &

- 2. Enable the learner to carry out risk assessment & vulnerability analysis
- 3. Generate community awareness & strengthen institutional mechanism for community mobilization & participation in Disaster Management
- 4. Develop communication skills for Disaster Preparedness Create greater awareness about effective Disaster in various emergency
- 5. Equip learners with tools for meeting emergency medical requirement.

Course Content

- 1. Physics and various types of disasters occurring around the
- Extent and damaging capacity of a disaster Study and understand the means of losses and methods to overcome/minimize it.
- 4 Role of individual and various organizations during and after disaster
 5. Application of GIS in the field of disaster management
- 6. Emergency government response structures before, during and after disaster.

 Early warning and vulnerability assessment for natural



Dr. S. K. Ukarande (Dean FoST, UoM & Principal KJSIEIT, Mumbui) Dr. Prakash Chauhan (Director, IIRS, ISRO) Dr. Sameer Saran Scientist/Engineer - SF IIRS (ISRO) Dr. Sandeep Joshi (Principal, PCE, Panyel) Prof. Amar Mange (Principal, PHP, Rasayani) Dr. Abdul Razak Honnutagi (Deector, AIKTC , Pmvel) Dr. Vivek, Sunnapawar (Principal, LTCE,Kopur Khuirane) Dr. Hari Vasudevan (Principal, DISCOE, Vile Parle) Dr. Keshav Varkhedkar (Chief Engineer, CIDCO)

Dr. S. M. Khot

(Pencipal, FATE, Vashi) (Principal, TCET.Kandivali) Dr. R. B. Magar Prof. & HoD, AIKTC, Panvel) Dr. Rajendrakuymar V Saraf na ,Viraj Envirozing India Pvt.Ltd) Dr. R. R. Paril-(Principal, VIMEET, Khalapur) Dr. Uttam Kolekar (Principal, APSIT, Thane) Dr. Geetha Jairaj (Principal, SSJCOE, Asangaon) Dr. Manjusha Deshmukh (Principal, SCOE, Kharghar) Dr. G.R.Reddy (Ountanding Sciennst BARC, Mumbai) Dr. Gopal Ray (G.S. ASTR & M.D Dhirendra Group)

PATRONS

Dr. K. M. Vasudevan Pillai (Hon. Chairman, MES) Dr. Daphne Pillai (Hon. Secretary, MES) Dr. Priam Pillai (Hon. COO, MES) Mr. Fransy Pillai (Hon. Dy. CEO, MES) Dr. Lata Menon (Dy. CEO, Rasayani Campus) Dr. Madhumita Chatterjee (Principal, PHCET)

CONVENER

dr. Karthik Nagarajan	Mr. Raju Narwade	
Associate Professor	HoD	
(M) +91- 9819 420 975	(M) +91-810 820 21 22	
(M) +91- 8779 605 643	(M) +91- 702 040 21 35	
knagarajantirmes ac in	marwade)(mes.ac.in	

ORGANIZING COMMITTEE

Dr. Amit Das Gupta Dr. Shilpa Kewate Mr. Adovini P. Mr. Harshal Pathak Ms. Gayatri Deshpunde Mr. Sandeen Guijar Ms. Smitha J.S. Ms. Poonam Patil



Dr. Vinay Nikam

Ms. Manisha Jamgado

Ms. Sonali Bayiskar

Ms. Madhulika Sinha

Mr. Anwar Sayyed Ms. Apurva Deshpunde

Mr. Mahesh Singh

Ms. Steffi Stephen Mr. Manish Mane

Feel free to Whatsapp for any details:

Mr.Karthik : 8779 605 643 Mr.Raju : 810 820 21 22

PRINCIPAL Mahatma Education Society's Pillai HOC College of Engineering and Technology. Pillai's HOC Educational Campus Rassyani, Tel. Khalapur Dist. Raigad, Pin-410 207

Registration details

Category	Fees
First 25 Registrations (Special discount)	Rs.1000/-
Industry & Others	Rs.1800/-
ISTE, ISRS, IEI, ASTR Life members	Rs.1500/-
Faculty	Rs.1200/-
Research Scholars "PG & UG Students	Rs:1000 /-

- Fill your Registration details in this link (Mandatory): https://forma.gle/pVooF5TsL4(VS&RA.
 Note: Kindly provide us the UTR number during registration.
- Eminent Speakers form ISRO, MCGM, BMC, CIDCO, and IITs etc and other government organisations will deliver lectures and discuss recent case studies involved in management and mitigation measures on various disasters.



Free Courses Offer from Pillai ISRO Outreach Network Institute



Two free courses to all the registered participants on

Sr.No.	Course Name	Dates	Duration
1	Advances in Remote Sensing and geospatial technologies for Disaster early warning, monitoring and mitigation	June 10- 21, 2019	2 weeks
2	Basics of "Remote Sensing, Geographical Information System and Global Navigation Satellite System	Aug 19 - Nov 15, 2019	13 weeks

- These courses will be taught by eminent scientist from ISRO. Indian Space research Organisation
 and we will provide you free notes in the form of pdf/ videos etc. At the completion of the above
 course an online examination will be conducted by Indian Institute of Remote Sensing (all
 objective type based of the given syllabus) and on successful completion of the course a
 Completion Certificate will be provided by IRS; ISRO.
- Kenote Speaker: Mr. Mahesh Narvekar, Director (Disaster Management), MCGM, Mumbai Grab this offer soon....!!!! Limited Seats., First come First served ... !!!

Who Should Attend?

- · Ph.D. research scholars
- Faculty-Engineering, Polytechnic, Architecture and Management Institutions
- Technical Scientific Staff of Central State Government/Faculty/researchers.
- Delegates from Industries and R & D Organizations.
- Geographers, Geologists & Environmentalist.
- U.G. P.G. Students (Specially Students of Mumbai University who are having this subject in their current Syllabox)



Google Map: https://maps.app.goo.gl/rl. VpgioShAQfReyr8

STTP vehedule

Date: June 24-29, 2019 .Time: 9.30 am - 4.30 pm Detailed schedule of lectures will be emailed

Transport

Bases from CIDCO Circle near Panvel Railway station will start at 8:20 am

Fully

PRINCIPAL
Mahatma Education Society's
Piliai HOC College of
Engineering and Technology,
Piliai's HOC Educational Campus
Rassyani, Tal. Khalapur
Dist. Raigad, Pin-410 207

Course Syllabus:

heme	Time	List of Speakers	Schedule: List of Eminent Speakers w Designation	Seminar Topic		
numerical services	-	19 (Monday)	1	\		
	N.10-1616	Transmitter F.	Registration as	ad Broadsfeet		
		E CONTRACTOR CONTRACTO				
	1000-1000	Inaugural Function Director, Disaster Management Unit, MCGM Mainba.				
Appendix Describe	in:89+12:00	Mr.Michesh Narvokar	Maharashtra, India	Keyrone Speaker: A Talk on MCGM Disaster Management Activities		
one or seed to	1280-0186	Dr Halamuragon Goru	Charmon , Canna lie Goossistenatics , Jurastiji Teiu School of Doarner Studies School of Rossanth Mediadology	A Talk on: Institutional Pransessork for Dissenter Management in India		
Steam Steam	1001-1100	Dr. P.S.Champell Ray	Course Hand , Geosciercus and Disaster Management Studies Course , IIRS , Indian Space Research Organisation , Debalvabin	A 300 degree Understanding about Disaster Menagement		
No. of St.	01.00 - 04.00	Dr. Kajendrakumar Sacaf	Formar Editor , Indian Water Works Association	A Talk on: Salary, Back and Minigation in water and wants water management		
	demi-man	Mumbal Calversity Faculty	Orienten Fregranza	Disaster Management ad Mitigation Measures (ILOC : Institute Level Optional Cost		
v 2 . 2	5th June 20	19 (Tuesday)				
_	18/80-12/90:	Dr.R.V.Sharma	Dy Director (Kerd) , Indian Metrological Department	Dy Dructor, (Retd), A Talk on: Netural Disaster, Cyclonic warning in India		
(Sec	13.60-01.00	Mr.Rajoutra Lokkende	BMC Officer , Britonesserhe Messapel Corporation (BMC)	Talk on Dissour Proportitions and Solity Processing		
and Charter Ch	02:00-00:00	Dr. Arijit Rey	Sciented Engineer - SF , Formery and Ecology Dept. , BRS- ISBO ,Dept. Of Space. Dichetradus	A Talk on: Forest Fire Montering and Risk Associated		
î	NAME OF STREET	Dr.R.V.Sharma	Dy.Director (Ketal) , belian Metrological Department	Talk on) Climate Change / global warming impact		
y 3 - 2	6th June 20	19 (Wednesday)		·		
or the party of th	1000 - 100 M	LIVE Workshop	Many Environ Speakers from ISBO	A Pull Day LIVE Workshop from BES SIKO on Batalite data accord from online data repositation and ISRO Illurum geoperad.		
y 4-3	7(8 June 20	15 (*Chursday)				
įį.	1100-1200	Mr.Karthik Nagarajan	And Prof. PFEST : Basequer	Role of DEO Oceanch Centre for learning Disorder Management and its Application formula Remote Sensing and GES		
	-	Shri.C.M.Rhate	Scienter Engineer SF, Dearter Monagement Studies Diept Dept. IRES-ISBO, Dept. Of Space. Debitrates	Telk on: Plood Henry and Birk Associates Management		
19	0.01-0.00	Mr.Raja Narmade	And Pric PREST, Sample	Named and Man Mode Dissour and its Inpact		
v 5-2	8th June 26	19 (Friday)		**		
-	1000-1200	Dr.Vinay Nikam	Professor - FIETT - Rassyant	Flood Montering		
	1330-0136	Dr.Y-X-Parit	Profesor, SSACOE, Assegues	Disaster Management Case Studios		
Name Tol Sandless	mes-min	Fillal ISRO (Network Sections (Lab Visit)				
ty 6-2	9th June 28	19 (Saturday)				
To "	10-60-12-00	Dr. Mostka Kannan	Head, P.G Dopt, Sophia Unite College, Agents, September	Doester Management , Policy and Administration		
Ĭ.	Districts.	Prof.Prakash Konka	Diept of Geography, Shri Hankstownen's College, 1878 D	Financing Rafiel Measures: Disease Management		
	1011-11W	Valedictory Function				
One Trees						
THE CASE	TO SEE MAIL		Timings - Breakfast -09-00 to 09-50 am / Lunch	-01:30pm to 02:15mm		
1		ation Contact : (Feel I	Timings - Breakfast -09:00 to 09:50 am / Lunch Free to Whatsapp at 8779 605 643- Karthik N	-01:50pm to 02:15pm & 8108 20 21 22 - Raju Narwade) WebSite : www.phect.com		

PRINCIPAL

Mahatma Education Society's

Pillai HOC College of

Engineering and Technology. Pillei's HOC Educational Campus Rassyani, Tal. Khalapur Dist. Raigad, Pin-410 207

Information Technology

1. AY 2022-23:

Hands On Workshop on Django

PILLAI HOC COLLEGE OF ENGINEERING AND TECHNOLOGY, RASAYANI



DEPARTMENT OF INFORMATION TECHNOLOGY

HANDS ON WORKSHOP ON DJANGO

To Train tech-minded students Department of Information Technology has successfully conducted Hands On Workshop on Django. The event was conducted on 22/09/2022 and 23/09/2022 in the lab D-312 between . On this momentous occasion it was our proud privilege that we were blessed with Mr. Harshad Dagade as a speaker.

The event began with the formal introduction of guest speakers. To express our affection and reverence towards our guests Principal of PHCET Dr. J.W. Bakal and IT Department HOD Dr. Divya Chirayil felicitate the guest.



PRINCIPAL

Mahatma Education Society's

Pillai HOC College of

Engineering and Technology.

Pillai's HOC Educational Campus

Rassyani, Tal. Khalapur

Dist. Raigad, Pin-410 207



After that Principal of PHCET Dr. Bakal sir addresses all the participated students and motivate them to study a lot and brighten their future.





Workshop started with some basic operations of Python and installation of Django module.



After all the required prerequisites and necessary basic operation related to Python they started with all advanced operations of Django.



Students enthusiastically asked all their doubts which were running in their minds while performing the Hands On Practice and all this doubts were cleared at the same time by the professionals.



Mahatma Education Society's
Pillai HOC College of
Engineering and Technology.
Pillai's HOC Educational Campus
Rassyani, Tal. Khalapur
Dist, Raigad, Pin-410 207

The event was led and executed successfully under the guidance of event Co-ordinator Prof. Rupali Sathe and Prof. Poonam Lad. About 40 students of Information Technology departments willingly participated in this event to make this event successful. All the participated were awarded with workshop completion certificates.



Brochure of STTP



"Insights of Data Science and Machine Learning with its Applications"



Mahatma Education Society's Pillai HOC College of Engineering and Technology, Rasayani

Accredited with an 'A' grade by NAAC in the First Cycle 2019
Reaccredited by NBA for Computer and Mechanical Engineering 2020
Winner of the First Position for Workplaces Safety Awards 2019
er of Indian Merchant Chamber's Ramakrishna Bajaj National Quality Performance Excellence Trophy - 2019

Session Date

Mon 4th July, 2022 - Sat 9th July 2022

> Session Timing 10:30 A.M. TO 4:30 P.M.

Certificate

Registered participant will receive certificates during the valedictory function on the last day subject to attendance.

For Registration & Enquiry: Prof. Shamna Sadanand 9167741331

Prof. Akanksha Patil-7387963369

PATRONS

Dr. K. M. Vasudevan Pillai, Chairman, MES Dr. Daphne Pillai, Secretary, MES Dr. Priam Pillai, CEO, MES Mr. Franav Pillai, Dy. CEO, MES Dr. Lata Menon, Dy. CEO, Rasayani Campus Prof. Munawira Pillai, Director, MES Dr. J. W. Bakal , Principal, PHCET

CONVENORS

Dr. Divya Chirayil (M) +91-982094007 dchiravil@mes.ac.in Prof. Rohini Bhosale (M) +91 - 8976658138 rbhosale@mes.ac.in

CO-ORDINATORS

Prof. Snehal Shinde (M) +91-8087626518 srshinde@mes.ac.in Prof. Kajal Patel (M) +91-8655456085 kajalpatel@mes.ac.in

ORGANIZING COMMITTEE

Prof. Ekta Ukey Prof. Archana Augustine Prof. Poonam Pathak Prof. Monisha Mohan Prof. Shamna Sadanand Prof. Rupali Sathe Prof. Siddhesh Khanvilkar Prof. Dhanashri Sakhare Prof. Shrutika Khobragade **Prof Spehal Chitale** Prof. Nikita Saindane Prof. Prajakta Pote Prof. Prachi Sorte Prof. Poonam Lad Prof. Dipti Patil Prof. Akanksha Patil

REGISTRATION DETAILS

1. Registration will be done on first come first serve basis, 40 seats are available. Registration form link: https://forms.gle/iCiH2q5yZyEEt5vC7

2. Last date of registration is Thursday, 30th June, 2022.

3. Registration Charges are as follows: PHCET members-Rs. 1500/-ISTE members- Rs. 1200/-Others- Rs. 400/-UPI ID: snehalshinde9821@oksbi Mobile no. 8087626518

4. Mode of participation for PHCET faculty: Offline | Others: Online



PRINCIPAL

Mahatma Education Society's Pillai HOC College of Engineering and Technology. Pillai's HOC Educational Campus Rassyani, Tal. Khalapur Dist. Raigad, Pin-410 207

MAHATMA EDUCATION SOCIETY

Mahatma Education Society was established in the year 1970 by a group of teachers with the aim of spreading education for all. The society today has 48 institutions from preprimary to post graduation to research with over 35,000 students and over 2,500 teachers. The society manages several schools imparting instruction in S.S.C., C.B.S.E., I.G.C.S.E. and I.B. programs, Junior Colleges, Degree Colleges, Engineering Colleges, Management Institutions, Polytechnics and Teacher education programs at different locations in Mumbai, Navi Mumbai and Rasayani (Raigad District). Most of the colleges are reaccredited 'A' Grade by NAAC and also accredited by NBA and other Government bodies.

PHCET

Mahatma Education Society's Pillai HOC College of Engineering & Technology, Rasayani was established in 2009 and is affiliated to University of Mumbai and recognized by AICTE & DTE. In less than 9 years of span PHCET is recognized as one of the premier institutions delivering professional courses in Engineering & Technology at Undergraduate as well as at Post Graduate level. Currently PHCET offers following courses-

- Civil Engineering (UG, PG and PhD)
- Computer Engineering (UG, PG and PhD)
- Electronics & Computer Science (UG)
- Electronics and Telecommunication (PG)
- Electrical Engineering (UG)
- Information Technology (UG) • Mechanical Engineering (UG & PG)

COURSE OBJECTIVES

The main objective of this STTP is to provide fundamental and practical knowledge on growing fields of Machine Learning and Data Science. This program covers the life cycle of Data Science, Statistics of Data Science by using Python. Various techniques of Machine Learning like linear regression, linear algebra with python. It will be helpful for participants to solve real world problems.

COURSE OUTCOME

Provide conceptual understanding of Data Science and ML to in real world applications. Provide knowledge and hands-on sessions on Python and 'R' programming.



COURSE CONTENTS

- 1. Lifecycle of Data Science
- 2. Statistics for Data Science
- 3. R Programming for Data Science 4. Problem formulation and solving
- 5. Introduction to ML
- 6. Linear regression
- 7. Maths for ML
- 8. Real World problems in AI/ML

RESOURCE PERSONS

- Dr. Bernard Menezes, IIT Bombay
- Dr. Yogesh Jadhav, SVKM's NMIMS, Navi Mumbai
- Dr. Darshan Ingle, Thadomal Sahani COE, Mumbai
- Dr. Bhushan Jadhav, Thadomal Sahani COE, Mumbai



PRINCIPAL Mahatma Education Society's Pillai HOC College of Engineering and Technology. Pillal's HOC Educational Campus Rassyani, Tal. Khalapur Dist. Raigad, Pin-410 207

AY 2020-21

Program Name: Fundamental of Accelerated Computing with CUDA C/C++

PRINCIPAL

Mahatma Education Society's

Pillai HOC College of

Engineering and Technology,

Pillai's HOC Educational Campus

Rassyani, Tal. Khalapur

Dist. Raigad, Pin-410 207

Two Days Workshop

on

Fundamentals of Accelerated Computing with CUDA C/C++

Date: 16th and 17th April 2021

Organised by

Department of Information Technology



Mahatma Education Society's

PILLAI HOC COLLEGE OF ENGINEERING AND TECHNOLOGY

Pillai HOC Education Campus, HOCL Colony

Rasayani, Tal: Khalapur, Dist: Raigad

1

PRINCIPAL
Mahatma Education Society's
Pillai HOC College of
Engineering and Technology,
Pillai's HOC Educational Campus
Rassyani, Tal, Khalapur
Dist, Raigad, Pin-410 207

Theme:

The NVIDIA Deep Learning Institute (DLI) and Pillai HOC College of Engineering and Technology, Rasayani, has organized Two days Workshop on "Fundamentals of Accelerated Computing with CUDA C/C++ ". Workshop is organized by Department of Information Technology; this is scheduled on 16th and 17th April 2021 exclusively for verifiable academic students, staff, and researchers.

In this Workshop 51 participants registered and actively participated for the course.

14 participants successfully completed and received certificate from NVIDIA as they have cleared final test of Fundamentals of Accelerated Computing with CUDA C/C++ by

NVIDIA(DLI). This workshop conducted online with google meet mode.

This Workshop is practical oriented beneficial to UG and PG students, to recognize their subject matter competency and support professional career growth.

The objective of this workshop is to learn fundamental tools and techniques for accelerating C/C++ applications to run on massively parallel GPUs with CUDA®.

The workshop also looks at optimize memory migration between the CPU and GPU accelerator, and implement the workflow.

The course further examines the actions and processes that can be used to Accelerate Applications with CUDA C/C++

NVIDIA DLI offers hands-on training for developers, data scientists, and researchers looking to solve challenging problems with deep learning and accelerated computing.

About This Workshop:

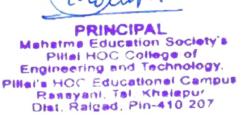
This workshop teaches the fundamental tools and techniques for accelerating C/C++ applications to run on massively parallel GPUs with CUDA®. You'll learn how to write code, configure code parallelization with CUDA, optimize memory migration between the CPU and GPU accelerator, and implement the workflow that you've learned on a new task - accelerating a fully functional, but CPU-only, particle simulator for observable massive performance gains. At the end of the workshop, you'll have access to additional resources to create new GPU-accelerated applications on your own.

Learning Objectives:

At the conclusion of the workshop, you'll have an understanding of the fundamental tools and techniques for GPU-accelerated C/C++ applications with CUDA and be able to:

- > Write code to be executed by a GPU accelerator
- Expose and express data and instruction-level parallelism in C/C++ applications using CUDA

1



- Utilize CUDA-managed memory and optimize memory migration using asynchronous prefetching
- > Leverage command line and visual profilers to guide your work
- > Utilize concurrent streams for instruction-level parallelism
- Write GPU-accelerated CUDA C/C++ applications, or refactor existing CPU-only applications, using a profile-driven approach

Workshop Content:

- ❖ Accelerating Applications with CUDA C/C++
- Managing Accelerated Application Memory with CUDA Unified Memory and nsys
- Asynchronous Streaming, and Visual Profiling for Accelerated Applications with CUDA C/C++

Prerequisites:

Basic C/C++ competency, including familiarity with variable types, loops, conditional statements, functions, and array manipulations. No previous knowledge of CUDA programming is assumed.

Certificate:

Upon successful completion of the assessment, participants will receive an NVIDIA DLI certificate to recognize their subject matter competency and support professional career growth.

At the end of workshop feedback is collected from the participants.

The program was concluded with Vote of Thanks speech by Dr. J.E. Nalavade Head of the IT Department.

In this Workshop participants actively participated and successfully completed the course.

Workshop conducted through online mode using google meet application.

Group Photograph of two days' Workshop is taken though screenshots of the online meet.

Student's Feedback:

As per discussion with the students, the topic covered was appreciated by most of the students and requested to arrange such workshop in the future also.

Schedule of Workshop:

2

PRINCIPAL

Mahatma Education Society's
Pillal HOC College of
Engineering and Technology.

Illal's HOC Educational Campus
Rassyani, Tel. Khalapur
Dist. Raigad, Pin-410 207

ТОРІС	DESCRIPTION	
DAY 1		
Introduction	> Meet the instructor. > log in at courses.nvidia.com/	
Accelerating Applications with CUDA C/C++	Learn the essential syntax and concepts to be able to write GPU-enabled C/C++ applications with CUDA:	
	Normalier > Write, compile, and run GPU code. Control parallel thread hierarchy. Allocate and free memory for the GPU.	
Break		
Managing Accelerated Application Memory with CUDA C/C++	Learn the command line profiler and CUDA managed memory, focusing of observation-driven application improvements and a deep understanding of managed memory behavior:	
	Profile CUDA code with the command line profiler. Go deep on unified memory. Optimize unified memory management.	
Day 2		
Managing Accelerated Application Memory with CUDA C/C++	Learn the command line profiler and CUDA managed memory, focusing on observation-driven application improvements and a deep understanding of managed memory behavior:	
	Profile CUDA code with the command line profiler. Go deep on unified memory. Optimize unified memory management.	
Break	<u></u>	
Asynchronous Streaming and Visual Profiling for Accelerated Applications with CUDA C/C++	Identify opportunities for improved memory management and instruction-level parallelism:	
Will CODA CICIT	> Profile CUDA code with Nsight Systems. > Use concurrent CUDA streams.	

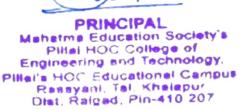
Review key learnings and wrap up questions. Complete the assessment to earn a certificate. Take the workshop survey.
2-3 Days
Code-based
Upon successful completion of the assessment, participants will receive an NVIDIA DLI certificate to recognize their subject matter competency and support professional career growth.
Basic C/C++ competency, including familiarity with variable types, loops, conditional statements, functions, and array manipulations. No previous knowledge of CUDA programming is assumed.
English, Japanese, Chinese
Nsight Systems

Speaker Profile:

Prof. Sandeep Mane Assistant Professor, Department of Computer Science and Engineering Rajarambapu Institute of Technology, Rajaramnagar Dist. Sangli. Maharashtra, India – 415414. Mobile No: +91-8208298982, WhatsApp No. +91-9403510475 manesandip82@gmail.com · https://www.linkedin.com/in/prof-sandeep-mane-06578618 ·

Prof. Sandeep Mane is currently working as Assistant Professor in the Department of Computer Engineering, K.E. Society's Rajarambapu Institute of Technology (An Autonomous Institute affiliated to Shivaji University, Kolhapur) Rajaramnagar, Dist. Sangli, Maharashtra, India. He is NVIDIA DLI University Ambassador and DLI Certified Instructor to teach Fundamentals of Accelerated Computing with CUDA C/C++. He is In-charge of GPU Education Center, awarded by NVIDIA Corporations since 2013-14. He has more than 10 years of Teaching and Research experience in the areas of Nature Inspired Optimization Algorithms, Combinatorial Optimization Problem Solving, Parallel Algorithm Design and Programming. He knows and used Multi-core and Many-core Programming languages and packages like OpenMP, MPI, and CUDA C/C++. He has taught courses like Software engineering, Applied Algorithms, Optimization Techniques,

4





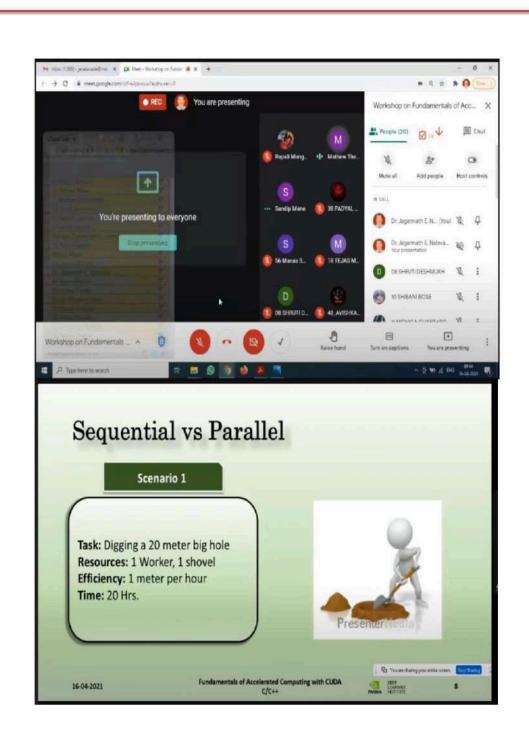
6

PRINCIPAL

Mehatma Education Society's

Pillal HOC College of
Engineering and Technology.

Pillal's HOC Educational Campus
Rassyani, Tal, Khalapur
Dist, Raigad, Pin-410 207



7

PRINCIPAL

Mehatma Education Society's

Pillal HOC College of

Engineering and Technology.

Pillal's HOC Educational Campus

Rassyani, Tal. Khelepur Dist. Raiged, Pin-410 207

AY 2019-20

How to make Your own Operating System

Mahatma Education Society's

Pillai HOC College of Engineering & Technology, Rasayani

Department of Information Technology

Report on Two Days Workshop on How to make your own operating System

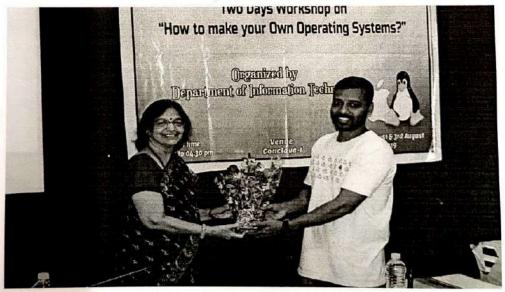
Pillai HOC College of Engineering and Technology, Rasayani organized Two Days Workshop on "How to make your own operating System" by the Department of Information Technology. This course provides comprehensive Operating Systems training for those who prefer to come up to speed on making a new operating system. The prerequisites are the rapid pace of this class favors those who learn new concepts quickly, or have previous knowledge of Unix system administration in order to resolve problems and correctly execute the commands listed. In particular, as an absolute minimum, participant should already have the ability to use the command line (shell) to copy or move files and directories, list directory and file contents, and change the current directory. It is also expected that participant have a reasonable knowledge of using and installing the Linux operating system and software. If participant have already attended 'Booting' workshop that will be an advantage as trainer will be skipping the Linux bootloader configuration part.

The faculty development program on Data Science started with the lighting of lamp by dignitaries Mr. Yogesh Babar (RedHat Ltd. Pune), Dr. Lata Menon, Dr. Ashok Kanthe, Dr. J. E. Nalavade and HODs of other departments in Conclave1. Dr. J. E. Nalavade welcomed all the participants for the FDP and gave the bouquet to the Mr. Yogesh Babar (RedHat Ltd. Pune). Dr. Lata Menon made familiar to the participants the need of Operating Systems workshop as everyone can contribute to the Linux operating system.

PRINCIPAL
Mehatme Education Society's
Pillei HOC College of
Engineering and Technology,
Ital's HOC Educational Campus
Rassyani, Tal. Khalepur
Dist, Raigad, Pin-410 207



Workshop on How to make your own OS started with the lighting of lamp by dignitaries



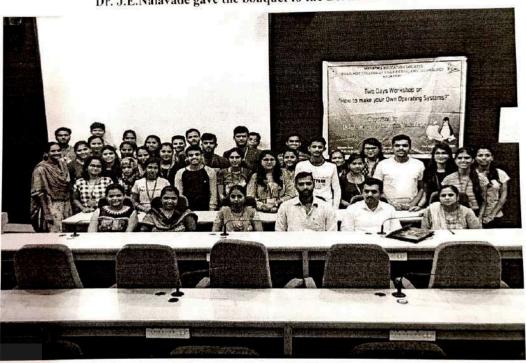
Dr. Lata Menon gave the bouquet to the trainer



PRINCIPAL
Mehatma Education Society's
Pillai HOC College of
Engineering and Technology,
Pillai's HOC Educational Campus
Rassyani, Tal. Khalepur
Dist. Raigad, Pin-410 207



Dr. J.E.Nalavade gave the bouquet to the Dr. Lata Menon



Workshop Participants along with Dignitaries

Firehol

PRINCIPAL
Mehatma Education Society's
Pillai HOC College of
Engineering and Technology,
Pillai's HOC Educational Campus
Rassyani, Tal. Khalepur
Dist. Raigad, Pin-410 207

Course outcomes of FDP in Data Science are:

- Participants will study operating system concepts.
- Participants will demonstrate proficiency with Compiler construction and the way they work.
- Participants will study Linker/ Loader.
- Participants will study Linux kernel construction.
- Participants will demonstrate skill in Kernel Debugging.
- Participants will apply Porting Linux on an ARM processor.

The detailed day wise coverage of Workshop contents are as follows:

Day 1

Introduction to How to make your own operating System, Basic Commands, Bash Commands, System Commands, Files, Concepts, Linux redirection operators.

A. Basic Commands ⇒

cp,mv,ls,mkdir,cat,less, vi, find, touch, ln, uname, wc, tail, rm, tar, find, file, grep

B. Bash Commands ⇒

echo,path,export, sed, env, exec, sed, gawk

C. System Commands ⇒

Useradd, groupadd, chown, mount, su, du, df, passwd, chgrp, chmod, mkfs, fdisk, umask, uname, chroot, mknod

D. Files ⇒

/etc/passwd, /etc/shadow, bash_profile, bashrc

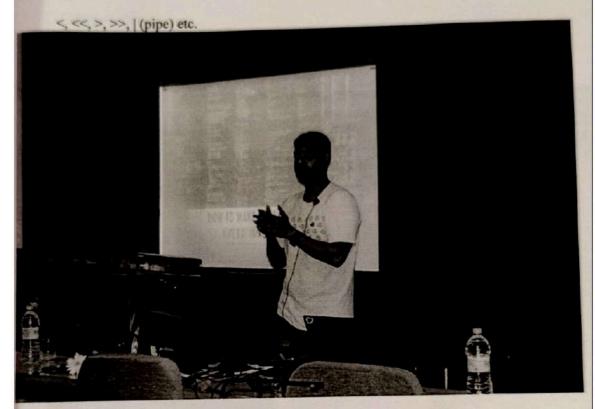
E. Concepts ⇒

rwx permissions, Linux Filesystem

PRINCIPAL hatma Education Society's Pillai HOC College of Engineering and Technology. a HOC Educational Campus Rassyani, Tal. Khalapur Dist. Raigad, Pin-410 207

Environment variables (like HOME, TERM, PS1), the 'configure/make/make install' way of installing packages in Linux. somewhat Bash shell scripting knowledge will be advantage.

F. Linux redirection operators =>



Mr. Yogesh Babr introduction the participants about workshop

Following contents are covered on First day:

- 1) Compiler construction and the way they work.
- 2) Linker/ Loader.
- 3) Tools chain.
- 4) Linux kernel construction.
- 5) Kernel Build system.
- 6) Device Drivers

Fwahol

PRINCIPAL

Mahatma Education Society's

Pillai HOC College of

Engineering and Technology.

Pillai's HOC Educational Campus

Page 201 Tal. Khalepur

Rassyani, Tal. Khalapur Dist. Raigad, Pin-410 207

• Day 2

Workshop started with kernel debugging. Following contents are covered on Second day:

- 7) Kernel Debugging.
- 8) Embedded systems.
- 9) ARM processors.
- 10) Porting Linux on an ARM processor.
- 11) Bootloaders.



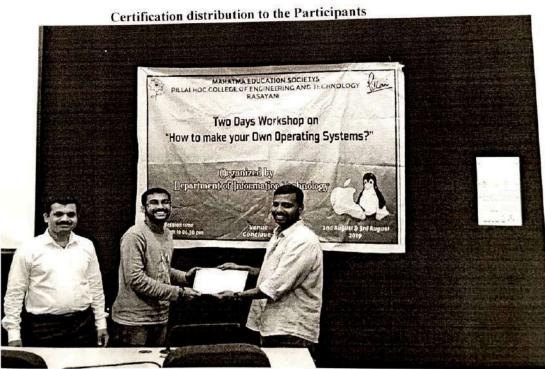
The certificate distribution ceremony was the last phase of the workshop. The certificates for participants and organizing committee were distributed by Dr.J.E.Nalavade and Mr. Yogesh Babar. Dr.J.E.Nalavade gave vote of thanks to all the dignitaries, HODs, participants, organizing committee members, teaching and non-teaching staff for their continuous support.

PRINCIPAL

Mahatma Education Society's
Pillai HOC College of
Engineering and Technology.

Illai's HOC Educational Campus
Rassyani, Tal. Khalapur
Dist. Raigad, Pin-410 207





Certification distribution to the Participants

Finallal

Electrical Department

Value Added Course: PCB Design AY 2022-23

Monday	y Tuesday	Wednesday	Thursday	Friday	Saturd
10:15 11:15 2					PCB Designing Lab C 001
11:15 12:15 3					PCB Designing Lab C 001
12:15 13:15 4					PCB Designing Lab C 001
13:15 13:45					
13:45 14:45 6					PCB Designin Lab C 001
14:45 15:45 7					PCB Designi Lab C 001
15:45					

Time table of Value added course:Electrical Department :PCB Design AY

<u> 2022-23</u>

Mahatma Education Society's

Pillai HOC College of Engineering & Technology, Rasayani

Course Title: Introduction to PSpice and LTspice and Its Application

Sr. No	Topic	Contents
1.	Introduction to PSpice and LTspice	An outline of Pspice, Types of Analysis in Pspice
2.	Getting statring with PSpice and LTspice	DC simulation, PSpice Component Layout, DC Bias Simulation, Linear Resistance, Non-Linear Resistance Operating Point, Markers, Parametric DC Sweep Thévenin and Norton Equivalents
3.	AC Simulations	AC Inputs, Time Domain (transient analysis), AC Sweep Analysis
4.	Solar cell and Module simulation for STC	Solar cell modelling and simulation analysis

PRINCIPAL

Value Added Course Course Title: Introduction to PSpice and LTspice and Its Application Course Outcome: acquire experience in designing electronic circuits to a) Student can perform real task b) Student can understand what is PSPICE or LTSPICE and its use in c) Student knows how to simulate a circuit using a PSPICE or LTSPICE industrial application d) Student can demonstrate how to simulate an actual circuit using a simulator. PSPICE or LTSPICE in laboratory setting e) Students can able to conduct circuit analysis using a PSPICE or LTSPICE circuit simulator f) Student can able to apply acquire for various application Class: BE/TE - Electrical Engineering **Duration: 15 hrs** Course Fees: Free 1. Ms. Asokan Selvaraj- aselvaraj@mes.ac.in Course Instructor:

Value Added Course: PCB Design AY 2022-23 Syllabus

Mahatma Education Society's

Pillai HOC College of Engineering & Technology, Rasayani

Course Title: PCB Designing

Sr. No	Topic	Contents
1.	Overview of PCB Designing	Definition and Need/Relevance of PCB, Background and History of PCB
2.	Basics of PCB Designing: Types of PCB, Layering of PCB	Types of PCB, Classes of PCB Design, Terminology in PCB Design
3.	PCB-CAD tools: DipTrace, Eagle, Altium	Different Electronic design automation (EDA) tools , Introduction to DipTrace, Eagle and Altium Environment, Latest Trends in Market
4.	Electronic and Semiconductor Component package types	Different types of electronic components, Electronic components according to their size, power-ratings, package style and placements
5.	Practical Implementation	Steps involved in fabrication of PCB. PCB Fabrication techniques-single, double sided and multilayer, Auto routing, Drilling, Etching: chemical principles and mechanisms, Post operations- stripping, black oxide coating and solder masking, PCB component assembly processes
6.	Fundamental and real world project	Design and fabricate PCB for any one project, mount the components, testing and troubleshooting methods

<u>Value Added Course: Workshop on Electrical wiring and PCB design AY</u> 2021-22

A Workshop on "Electrical Wiring and PCB Designing" was conducted by Prof. Asokan S., Assistant Professor, Prof. R. D. More, Assistant Professor and Prof. Aamir Shaikh, Assistant Professor (Department of Electrical Engineering) for all First year students on 9th June, 2022.



In this session professors discussed about the basics of Electrical Wiring and about different types of switches like, SPST, SPDT, DPST, DPST and their operation. Along with it, Different types of wiring schemes which are used like cleat wiring, Batten wiring, Lead sheath wiring, casing and capping

wiring schemes was discussed. Also, they have explained the different types of cables and maximum voltage level for the same. Two types of wiring schemes i.e., Go-down wiring and staircase wiring and the rules to be considered for the installation in residential wiring schemes was discussed.

In this session Prof. Asokan S. and Prof. Aamir Shaikh explained the basic wiring schemes that are implemented in the protection laboratory and the contactors connections. Also they have demonstrated the different wiring schemes. Thus students were made aware of how to implement different hardware circuits that can be useful to them in project and further semester subjects. "Industrial Wiring" In this session, Prof. R. D. More was explained the students different industrial wiring schemes and gave introduction regarding the different panels that are used in Industries. He also explained the different fuses and switches that are used in the industrial panel. He explained the operation of different types of starters like DOL and star-delta starter, its implementation with the 3-phase Induction motor. He explained the students the wiring of starters and contactors on the panel.

PCB Designing is one of the most emerging fields in Electronics in today's era. For the students of Electrical this is a good field to start their career. PCB designers are key persons in research and development (R&D), electronics production units as well as in the PCB industry. The workshop

was aimed to provide knowledge about simulation tools to test electronics & electrical circuits in software environments, PCB design software named DIPTRACE & to make physical PCB at home so that any student can make a project on his own.

Following content are covered in workshop:

Speaker: Ms. Snehal Jadhav (PHCET, PCB Industry)

- Schematic Design
- Component Footprint Design
- > Integrated Library Design
- > PCB Design & Routing
- > Etching of PCB
- Soldering of Components on PCB

Value Added Course: The Enterprise AY 2020-21 Svllabus

Understanding the Enterprise Systems Environment is the second course in the SAP Technology Consultant Professional Certificate program. The course builds your understanding of the digital landscape.

You'll explore business processes and organizational alignment. You'll get an overview of how systems are designed and developed, and consider architecture, infrastructure, application development, data science, cloud, privacy, and security. You'll build your understanding of the SAP platform and consider key development and deployment models covering Advanced Business Application Programming (ABAP), Java, SAP API, and SAP Fiori. Plus, you'll explore gap analysis using SAP RISE and Activate and become familiar with SAP cloud strategy, architecture, and tools.

By the end of this course, you will be able to:

Describe how digital transformation can impact a customer's organization, business processes and tools (people/process/tools). Identify the key elements of system design and development and how they relate to specific IT requirements.

Identify different computing models (e.g. Compute Network Storage, OnPrem, Cloud etc) and architectures (e.g. Native, Hybrid, Multi-Cloud).

Explain the key elements of the SAP platform and environment.

Describe key Application, Development and Programming models.

Explain the key elements of the SAP Cloud Strategy.

Understand the key questions to keep in mind when faced with a specific request from a prospective client.

Value Added Course: Electrical Utilities AY 2019-20

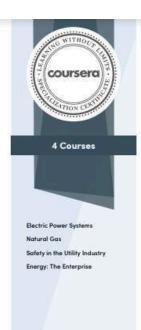
<u>syllabus</u>

THIS COURSE GIVES YOU THE INSIDE TRACK TO A COMPLICATED INDUSTRY. The approach of this course is truly unique in how it approaches and engages learners. It looks at the electric utility industry, which has remained critical to our quality of life, health and comfort from the eyes of numerous industry experts through on-location interviews, compelling visuals, and animation. You will benefit from having the inside track because you see some behind-the-scenes information not covered in news stories, social media or even if we are in the business ourselves.

EACH WEEK YOU NOT ONLY LEARN WHAT IS CHANGING, BUT WHY. As this industry continues to unfold at an unprecedented pace, you will be armed with knowledge and insights to form informed opinions supporting decisions you will increasingly make for your energy-dependent homes and businesses.

This course kicks off with animated crash course on industry history, highlighting aspects of the structure, governance, and technology that remain today, despite the passage of time. Then, throughout the modules, you will build some basics about how electricity gets to you, who watches over decisions, including setting rates. This information establishes a knowledge foundation so that when we explore some of the most critical topics, like renewable energy, smart grid, battery storage, and you can think about it from a much more analytical and critical viewpoint.

YOU WILL DEVELOP A FRAMEWORK FOR MAKING SENSE OF THIS INDUSTRY THAT WILL BENEFIT YOU BEYOND THIS COURSE. This industry can get pretty complicated, and this course will help you make more sense of it. Electric Utilities Fundamentals and Future is the course for you whether you're just curious about the industry or an industry veteran looking to grow – or, thinking about joining the industry. (Hint: now is a good time. You'll learn why in this course.) No prior education or experience required. You just need a healthy curiosity and an open mind to learn about an industry that I think a lot of us, including myself sometimes, take for granted.





05/16/2020

Supriya Sunil Shigwan

has successfully completed the online, non-credit Specialization

Energy Production, Distribution & Safety

In this specialization, learners were exposed to the energy industry - including its structure, energy origins, constraints, pricing and regulations - as well as the impact of emerging disruptive technologies and renewable energies an the evolution of the Smart Grid. Learners developed a working knowledge of a modern electrical power system and the components, foundational electric power instruments and machinery, and the interactions between energy and the environment. They gained insights into the basic properties of natural gas, operations of its distribution, basic field skills required, the liquefaction of natural gas, and standard energy industry safety practices and OSHA regulations.

Martin Casstevens, Business Formation and Commercialization Monager of the UB Business and Entrepreneur Partnerships, and Executive Director of Directed Energy Timothy Leyh, Executive

Tomother Lessh

Director of the University at Buffalo Center for Industrial Effectiveness

PRINCIPAL

Mehatme Education Society's

Pillai HOC College of

Engineering and Technology,

Pillai's HOC Educational Campus

Rassyani, Tal. Khalapur

Dist. Raigad, Pin-410 207

<u>Value Added Course: Introduction to MATLAB and its Application A.Y</u> 2018-19

Syllabus

Mahatma Education Society's

Pillai HOC College of Engineering & Technology, Rasayani

Course Title: Introduction to MATLAB and Its Application

Sr. No	Topic	Contents
1.	Starting with MATLAB	Starting MATLAB, MATLAB windows Working in the command window Arithmetic operations with Scalars Using MATLAB as a calculator
2.	Creating Arrays	Creating a one-dimensional array (vector), Creating a two-dimensional array (matrix) Addition and subtraction with arrays Array multiplication and array division
3.	Applications in Numerical Analysis	Numerical analysis Solving an equation with one variable finding a minimum or a maximum of a function examples of MATLAB applications
4.	Applications in Control System	Plotting bode plots using MATLAB plotting root locus using MATLAB
5.	Applications in Power System and power Electronics	Introduction to SIMULINK toolbox Simpower system Developing Simulation models of power system and Power electronics examples

Value Added Course

- Course Title: Introduction to MATLAB and Its Application
- Course Outcome:
- a. To improve employability skills of engineering students
- b. To bridge the skill gaps and make students industry ready.
- c. Student can able to generate plots and export this for use in reports and presentations.
- d. Student can able to program scripts and functions using the <u>Matlab</u> development environment.
- e. Student can able to understand various toolboxes and their application in various domains
- f. Student can able to model and simulate system to analysis its performance.

Class: BE/TE - Electrical Engineering

Duration: 15 hrs
 Course Fees: Free

Course Instructor: 1. Ms. Lakshmi C R -crlakshmi@mes.ac.in

2. Ms. Pranita Chavan- pranitachavan@mes.ac.in

Programme Name: Electronics and Telecommunication

Academic Year: 2018-19

Training Program on "CCNA"

Date: 13th, 14th, 15th and 16th February, 2019

Pillai HOC College of Engineering and Technology, Rasayani organized a Four Days Training Program on Cisco Certified Network Associate under MOU between Telenetworks Pvt. Ltd. and PHCET Ms. Mansi Subhedar is convener for this event every year. Mr. Abhijeet More, Ms. RupaliSathe, Ms. Supriya S. Shigwan coordinated this event successfully. 80 students altogether from Computer, EXTC, IT and Electrical Engineering departments participated in this workshop. YogeshHudale - Founder and Chief Mentor at TeleNetworks Technologies, trained students for four days.

CCNA is an internationally recognized qualification that provides the students with the opportunity to enter employment in the computer networking field. The syllabus of this workshop covers blueprint of CISCO.

The guest speaker took over the session with an introductory focus on basics of CCNA. The trainer then started the practical sessions and taught students how to design their own networks, how to connect various devices and showed the demonstrations of real time routers and switches. With the help of videos and visuals, the students learned the basics of routing.

The students were then taught about the area networks and their network fundamentals, how networking works in Industries, how to configure Real-time Routers, Switches and other Networking equipment etc. Information about Cisco Certifications and their importance, Roles and Responsibilities of Network engineers in Companies, Types of Routers, Switches, Firewalls and their usage in the industries etc. was also discussed





Academic Year: 2022-23

Mahatma Education Society's Pillai HOC College of Engineering and Technology

Rasayani, Raigad – 410222 Department of Electronics and Computer Science

A Report on Workshop on

"Arduino Programming"

Conducted under IETE Student Forum

A Workshop on "Arduino Programming" was conducted by Prof. Upendra D Patil, Assistant Professor of Department of Electronics and Computer Science, PHCET under IETE Students forum, one of the leading Professional Society in India, on 6^a March, 2023 for second year engineering students of Electronics and Computer Science department.

Arduino is an open-source electronics platform based on easy-to-use hardware and software. Arduino boards are able to read inputs - light on a sensor, a finger on a button, or a Twitter message - and turn it into an output - activating a motor, turning on an LED, publishing something online. Programmer can tell board what to do by sending a set of instructions to the microcontroller on the board. To do so Arduino programming language and Arduino Software (IDE) is used. Over the years Arduino has been the brain of thousands of projects, from everyday objects to complex scientific instruments. A worldwide community of makers - students, hobbyists, artists, programmers, and professionals - has gathered around this opensource platform, their contributions have added up to an incredible amount of accessible knowledge that can be of great help to novices and experts alike. Arduino has been used in thousands of different projects and applications. The Arduino software is easy-to-use for beginners, yet flexible enough for advanced users. It runs on Mac, Windows, and Linux. Teachers and students use it to build low cost scientific instruments, to prove chemistry and physics principles, or to get started with programming and robotics. Arduino boards are relatively inexpensive compared to other microcontroller platforms. Hence Arduino board can be used in embedded systems design for prototyping microcontroller based systems to save time and money.

Event was started with "National Anthem" at 10:30am followed by the informative and motivational talk to have a healthy "Arduino Programming" workshop by Prof. Upendra Patil. Prof. Mithun Nair and Prof. Shashikant Renushe had coordinated further appreciably to make it a successful workshop to enhance student's skill level. 46 students had participated in this event.

Following points have been covered during the workshop:

Introduction to Embedded System Design













Academic Year: 2021-22

Value add Course:

Course Title: Python for Data Science and Machine Learning

Course Outcome

After the successful completion of the course, students must be able to:

- Learn about Python fundamentals, Python data structures, and working with data in Python
- Become familiar with key Python functions, objects, and classes
- Develop data science and ML applications using Python
- Gain career skills in one of the world's most popular programming languages

Eligibility: Any students with basic understanding of programming

Duration: Min 35 hours

Course Fees: Nil

Course Instructor

1. Dr. Mansi Subhedar

msubhedar@mes.ac.in

2. Ms. Pooja Shukre

pshukre@mes.ac.in

Course Content

Introduction to AI, ML and Data Science, Python	Introduction to Data Science, AI and Machine learning and its applications, Examples of AI, Data Science applications in various engineering disciplines Introduction to Python, features of Python, Installation, Installing python Packages
Data Types	Integer, Float and Complex- Number Functions (Number Type Functions, Maths Functions, Random Number functions, Trigonometric Functions)
Operators in Python	Arithmetic, Assignment, Comparison, Boolean values, Logical, identity, bitwise and membership operators, Shift operators
Data Structures: Lists, Tuples, Dictionary	Operations on lists- Append, remove, slicing, insert, pop, reverse, len, count etc, Operations on Tuples and Dictionary
Decision Flow Control Statements	if, if and else statement, Nested If, While, do and while, for, Continue, Break and pass etc
Functions and File Handling	Defining and calling the functions, return statements, Passing the arguments, Lambda Functions

	Recursive functions, Modules and importing packages in python code File Input/Output: Files I/O operations, Read/Write Operations, File Opening Modes, with keywords, moving within a file, Manipulating files
Numpy, Pandas, Matplotlib, Seaborn, Scipy Libraries:	Introduction to Numpy, Creating and Printing Ndaray, Class and Attributes of Ndarray, Basic operation, Copy and view, Mathematical Functions of Numpy.
	Introduction to Pandas, Understanding Dataframe, View and Select Data, Missing Values, Data Operations, File read and write operation. Introduction to Matplotlib library, Line properties, Plots and subplots, Types of Plots, Introduction to Seaborn.
	Introduction to Scipy, Scipy Sub packages Integration and Optimization, Eigen values and Eigen Vectors, Statistic, Weave and IO.
Graphical User Interface and Image processing	Graphical User Interface using Tkinter Library module, creating simple GUI; Buttons, Labels, entry fields, widget attributes
Databases	Sqilite database connection, Create, Append, update, delete records from database using GUI. Basic Image Processing using OpenCV library, simple image manipulation using the image module
Machine Learning Algorithms:	Supervised, Unsupervised, Reinforcement Learning, Case Studies, Deep Learning examples, Case Studies
Regression, Classification, Types of classifiers	KNN, SVM, Decision Tree, Bayes etc, Case Studies

FRINCIPAL



Photo Gallery:

| Dr. Uttara Gogate is presenting | Sharwank Badg- 2002 | Sharwank Badg-

Webinar on Overview and applications of WSNby Dr. Uttara Gogate on 12a May 2020

Academic Year: 2020-21

Mahatma Education Society's Pillai HOC College of Engineering and Technology, Rasayani Department of Electronics and Telecommunication Engineering

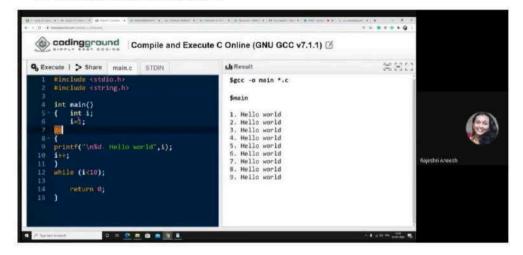
Report of Webinar on C for Everyone: Programming Fundamentals PART: I

Department of Electronics and Telecommunication Engineering under had successfully conducted an online webinar on C for Everyone: Programming Fundamentals PART: I on 1° July 2020.

The speaker for webinar was Ms. Rajshree Aneesh from department of computer engineering. Total 30 students from EXTC department attended this webinar. This was an introductory session to the basic course on C Programming. This session was an eye-opener for those who have an aversion towards the courses containing a programming component. The session motivated the participants to inculcate the Programming skills and also to master the art of Programming over the period of time

Key Insights for Students:

- 1. The need to learn a Computer Programming Language.
- 2. Introduction to C Programming Language.
- 3. How to inculcate/develop logical thinking skills required for programming.
- 4. C Character Set and Tokens.
- 5. Writing a Simple Program in C.



Mahatma Education Society's Pillai HOC College of Engineering and Technology, Rasayani Department of Electronics and Telecommunication Engineering

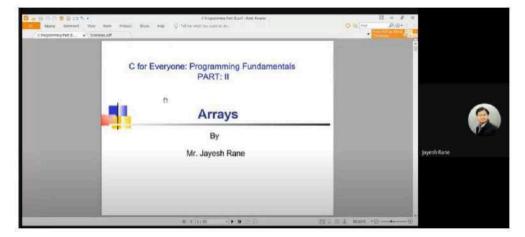
Report of Webinar on C for Everyone: Programming Fundamentals PART: II

Department of Electronics and Telecommunication Engineering under had successfully conducted an online webinar on C for Everyone: Programming Fundamentals PART: II on 2st July 2020.

The speaker for webinar was Mr. Jayesh Rane. Total 30 students from EXTC department attended this webinar. Understanding how pointers work is fundamental to understanding how computers work. Pointers are also much more flexible and powerful than references. The study of pointers in C was main aim of webinar.

Key Insights for Students:

- 1. Arrays in C
- 2. Strings in C
- 3. Structures in C
- 4. Pointers
- 5. Files in C



- · Requirement of prototyping in Embedded System Design
- · Arduino as prototyping hardware and software
- Arduino IDE
- · Arduino programming language
- · Digital and Analog Interface





Fisakol

Mahatma Education Society's Pillai HOC College of Engineering and Technology Department of Mechanical Engineering

Seminar on "Current Trends and Opportunities in Piping Engineering"

Date and Time

19-04-2023, 10:30 am to 1:30 pm

Venue

Conclave-I

Resource Person

Mr. Rahul E. Eukey

(Director, REU Engineering and Consulting LLP.)

Coordinator

Mr. Sunil Singh Rajput

Department

Mechanical Engineering

Mr. Rahul Eukey is founder and Director of REU Engineering and Consulting LLP. REU Engineering and Consulting LLP is manufacturer of Pressure regulating Valves, Safety Valves, Blanketing valves, Gas Manifold & Gas Bank Cascade. REU is supply and service Provider for Gas Detection and calibration system, Gas purification system, Temperature control system. REU is service provider of all type of compressors. Mr. Rahul Eukey has total 20 years of experience Industrial Projects like Gas handling system, compressed air system, and waste heat recovery system for cement industry. REU Engineering and Consulting LLP also provide consulting services for gas distribution system specifically for hydrogen & compressed natural gas.

Total 70 students and faculty have participated the session. Expert started the session by briefing and giving introduction of the field to which he belongs and operations involved in piping industry. Following to that Mr. Rahul Eukey explained spread of 'Piping Engineering' across various industries. Expert also explained our students' insights about how piping engineering can be a great career options, explaining about multiple job profiles mechanical engineer can explore in this field. The expert explained to students about emerging opportunities one can have in piping engineering along with roles and responsibilities associated with different job profiles and growth opportunities to have successful career in Piping Industry.

Mr. Rahul Eukey explained about what all demands of industries and what qualities industries are looking for are. He also explained about specific and generalized skill sets students should pursue to

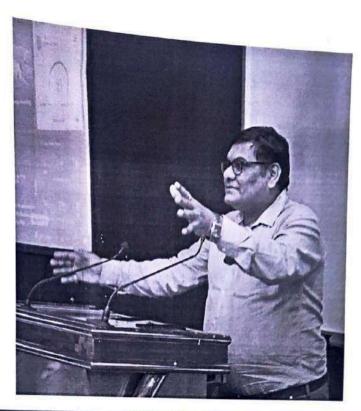
PRINCIPAL

get specific jobs in piping industry in a minimum possible time. Expert also guided students about how to appear for interviews for piping industry jobs.

The main objective of the seminar was to make students aware about different career opportunities available, skills needed to work in the Piping Engineering Sector, which participants understood by end of the session.

The session ended with Question Answer session and finally concluded by vote of thanks by Dr. G. V. Patil, Head of Mechanical Engineering Department.







Mr. Sayali Kulkarni (Coordinator)

Dr. G. V. Patil (HOD Mech)

Twatrol

Mechanical Engineering

Mahatma Educational Society's

Pillai HOC College of Engineering & Technology, Rasayani

Department of Mechanical Engineering

Department Level BE Project Competition

Mech-tEk 2022

Summary of Event

Total Number of Students and **Groups Participated**

43 Students in 11 Groups from Regular Shift

Date of Event

23/04/2022

Judges for the Competition

Mr. Rahul E. Eukey

(Director, REU Engineering and Consulting LLP.)

Mr. Dhairyashil Patil (Atlas Copco, Pune.) Dr. Sachin Kulkarni

(Associate Professor, Sinhagad Institute of Technology, Pune.)

Winners- M 06 Guide- Mr. M. K. Jadhav

Tile- Portable Mechanical Hand Pump

Mhatre Purva Pradeep Ghag Neeraj Ratnakar Vichare Gaurav Surendra Pawar Yash Harishchandra

Runner Up- MS 01 Guide- Mr. S. N. Kadam

Tile- Wall Art Drawing Machine using two axis Robot

Pawar Swaraj Santosh Daphale Vipul Vishwas Mahamunkar Yash Sunil Gautam Ujjwalsingh Rajeshsingh

Second Runner Up- M03

Tile- Making of the automatic liquid soap dispenser integrated

with automatic tap water and hand dryer.

Guide- Mr. S. N. Kadam

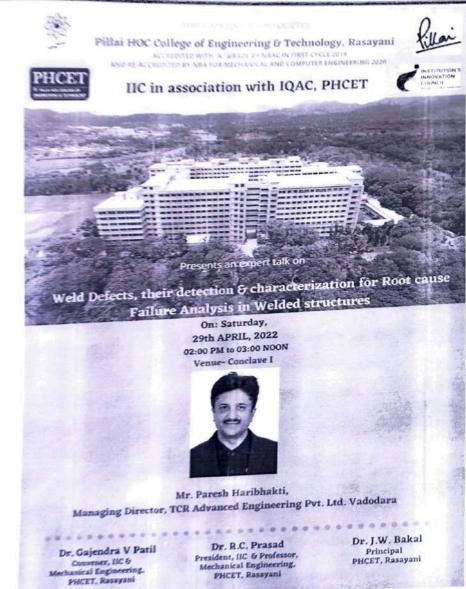
Shinde Prachiti Prashant Gharat Aniket Harishchandra Ghase Dipendra Prakash Patil Pratik Pandurang

Mr. Hemant M. Patil (Project Coordinator)

(HOD, Mechanical, PHCET)

MANATMA EDUCTAION SOCIETY'S Pillai HOC College of Engineering, Rasayani





-

Finalol

Fisakol