10 YEARS OF UNIVERSITY RECOGNITION
20 YEARS OF ACADEMIC EXCELLENCE

REVA UNIVERSITY
Bengaluru, India

Workshops/Seminars conducted on Research Methodology, IPR, Entrepreneurship and Skill Development

2019-20

Rukmini Knowledge Park,
Kattigenahalli, Yelahanka, Bengaluru - 560 064
www.reva.edu.in

3.3.2 Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR),entrepreneurship, skill development during the last five years (10)

Year	Name of the workshop/ seminar	Number of Participants	Date From – To
2019-20	Zoonosis and Zoonotic Diseases: Its implications in Research	160	29th August, 2019
2019-20	Seminar on Interdisciplinary Research Avenues: Science (Biotech) and Technology (Engineering) Disciplines	25	27/09/2019
2019-20	Seminar on IPR	47	25/9/2019
2019-20	Workshop on Clinical Data Science	65	25-09-2019
2019-20	Seminar on "Career prospective for Biotechnolgy students and Insights on toxicity experiments on animals	65	09-11-2019
2019-20	Career Opportunities in Life Sciences"-Industry	100	19/9/2019
2019-20	SDP on HPLC and Spectro-photometric analysis of synthetic and biological compounds	68	23rd -25th October 2019
2019-20	Seminar on Journey through the world of sequencing technology: connecting past, present & looking into future	150	31-01-2020
2019-20	Seminar on Surge of Genomics data:Microbes to plants	150	17-01-2020
2019-20	Seminar on IPR	70	19-02-2020
2019-20	IPR and Copyright Session	65	20-02-2020
2019-20	Orientation Program on Clinical Trial Management	60	29-04-2020
2019-20	Webinar on Forensic science in Crime investigations	200	29.05.2020
2019-20	"Awareness on IPR"	50	12-10-2019
2019-20	Intellectual Property Right - Significance in Research	30	08-11-2019
2019-20	"Awareness on IPR"	20	11-01-2020
2019-20	Webinar Report on"Research tools"	50	30-06-2020
2019-20	ONE DAY SEMINAR ON INTELLECTUAL PROPERTY RIGHTS	62	16-10-2019
2019-20	HACKFEST 2019	75	2nd to 4th November 2019
2019-20	SDP on "Machine Learning using Python"	63	8th November 2019
2019-20	Skill development program	584	11/9/2019 to 14/9/2019
2019-20	Career opurtunities in DBMS	54	Tuesday, November 19, 2019
2019-20	Google cloud career readiness program	73	19th August 2019
2019-20	Talk on "Higher Studies Opportunities in Data Science at Ulster University, UK"	80	20th November, 2019
2019-20	CSI Distinguished Lecture on "Cryptographic Algorithms	85	20th Sept. 2019
2019-20	DevFest Bangalore 2019	50	21st and 22nd September 2019
2019-20	APSIPA Distinguished Talk		25th Jan 2019
2019-20	Skill Development Program	504	April 13th,14th ,20th and 21st of 2019
2019-20	REVA ACM Student Chapter's CODE WARS V1.0	104	26th Feb. 2019
2019-20	Skill Development Program on Coding for C & Data Structures	479	27th, 28th April, 4th and 5th of May 2019
2019-20	BIC 2019	25	AUG 29,2019
2019-20	Seminar on free software movement and open source software		Thursday, November 28, 2019

Year	Name of the workshop/ seminar	Number of Participants	Date From – To
2019-20	Skill Development Program for RU 3rd sem students	512	26th, 27th, 28th and 29th August 2019
2019-20	FDP on 'Engineering & Research'	50	29th June 2019
2019-20	PROJECT CHALLENGE	30	29th& 30thMarch2019
2019-20	Effective eResources retrieval strategies for efficient research FDP		31st August 2019
2019-20	Code to Compete (C2C-2019)	60	12th October 2019
2019-20	Talk on "IPR: its Importance"	30	Sep 24 2019
2019-20	Seminar on Open Source Technologies by RED HAT		6thFebruary 2020
2019-20	Session on "Introduction to Block chain and possible Job opportunities"	300	1/24/2020
2019-20	Alumni talk on "Challenges involved in internship, placements and higher education "	65	28thJanuary 2020
2019-20	Expert Talk Talk on Research Grants	75	29th Feb 2020
2019-20	iOS App development programme	150	Thursday, January 30, 2020
2019-20	Competitive exam promotion Program	60	Feb 12th 2020
2019-20	LI&LE	150	12th &13th March2020
2019-20	Radio Production workshop	30	30th April 2019
2019-20	Fading boundaries- Interdisciplinary in Research	50	1st April 2019
2019-20	National Conference on Gender and Media	100	15th March 2019
2019-20	Life competencies of children and Adolescents of 21st century	150	
2019-20	Talk on Entrepreneurship Simulation	60	20-09-2019 to 20-09-2019
2019-20	Entrepreneurship Awareness Program	87	11-11-2019 to 13-11-2019
2019-20	Indian Technology-Innovation & Entrepreneurship Conclave	237	03-01-2020 to 04-01-2020
2019-20	Technical Talk On "Electrical Safety Measures	150	04-02-2020
2019-20	Three Days Faculty Development Program On "ANSYS Fluent Hands-on-training"	62	06-01-2020 to 09-01-2020
2019-20	Technical Talk on Thermal Insulation System for Energy Efficient Green Buildings	100	07-02-2020
2019-20	Technical Talk on "Electric Vehicles	67	18-02-2020
2019-20	Technical Talk on Industrial IOT	60	19-04-2020
2019-20	Technical Talk on Modelling, Simulation and FEM	100	29-01-2020
2019-20	Technical Talk on "Introduction to CFD with Practical Insights"	60	13-06-2020
2019-20	Technical Talk on "Medical Equipments and Medical Devices in Current Industry	60	13-06-2020
2019-20	Handling of Laboratory Glassware Interactive Training Program"	60	23rd Aug 2019
2019-20	Lecture on "Peptide conformations"	30	3rd September 2019
2019-20	Hands-on training session on CHEM DRAW Software"	40	4th September 2019
2019-20	Introduction to Radio Astronomy and state of art facilities/instrumentation available for radio astronomy	35	14th September 2019
2019-20	Synthesis of Nanomaterials and Battery Technology"	65	19th September 2019

Year	Name of the workshop/ seminar	Number of Participants	Date From – To
2019-20	Report on Fourier Transform Infrared (FTIR) Spectrophotometer Demonstration"	20	12th October 2019
2019-20	Visit to EMMVEE Photovoltaic Power Private Limited"	30	6th November 2019
2019-20	Visit to Center for Nano and material Science (CNMS), Jain University".	8	12th Dec 2019
2019-20	CSIR-Training Programme ForM.Sc Chemistry students	60	11th January 2020
2019-20	Expert talk on "Highly Efficient Ambipolar Charge Carrier Transport Properties in Discotic Liquid Crystals	80	12th March 2020
2019-20	Evolution of Fluoroquinolones- Synthetic Efforts and Technical Developments of Ciprofloxacin"	67	26-Apr-20
2019-20	Webinar talk - Expert talk on "Methyl in Medicinal chemistry and Synthesis"	69	10th May 2020
2019-20	Webinar talk - Enantio and Diastereoselective reactions for CSIR/ NET/ SET/GATE''	84	17th MAY 2020
2019-20	Report of Webinar on ''Basics to advanced topics in one dimensional NMR spectroscopy	91	23rd MAY 2020
2019-20	Webinar talk on "Applications of Functionalized Carbon Nanotubes in Nanomedicine"		29th May 2020
2019-20	Webinar Talk on Natural Nano Materials Chemistry Exemplified by Cellulosic Fibre and Products	65	14th June 2020
2019-20	webinar entitled''Symmetry and Group Theory for CSIR/UGC/NET/SLET''	79	21stJune 2020
2019-20	Fundamentals of Research writing and Publication	500	29 June to 3rd July 2020-21
2019-20	FDP on "How to do High Quality Research and write acceptable papers	42	20/05/ 2019
2019-20	Importance of Microsoft Certification in Career Development	110	23/08/2019
2019-20	GL on "Personality Grooming and Interview Tips.	52	24/09/2019
2019-20	Technical Talk on "Career Opportunities in Japan	110	07-07-2019
2019-20	Technical Talk on Intellectual Property Rights	29	08-11-2019
2019-20	How to do High Quality Research and Write Acceptable Papers	45	27/12/ 2019
2019-20	Career Opportunities in Japan	150	14-11-2019 to 19-11-2019
2019-20	Guest Lecture on "RedHat Certifications"	58	25/02/ 2020
2019-20	A Talk on Intellectual Property Rights	110	03-12-2020
2019-20	Webinar on "Debugging Techniques"	118	05-09-2020
2019-20	Outcome Based Education	121	24/05/ 2020
2019-20	Technical Talk on Intellectual Property Rights	60	07-02-2020
2019-20	Report on Technical Talk on Planned Precision Agriculture using Artificial Intelligence and IOT	110	10-01-2020
2019-20	Entrepreneur in ME	124	20th September 2019
2019-20	Industrail Visit to M/s Titan Pvt. Ltd.	33	21st September 2019
2019-20	"My Story-Innovators Life & Cross Road"	206	23rd September 2019
2019-20	Entrepreneurship Awareness Camp	423	23rd to 25th September 2019
2019-20	Best Idea Competition - 2019	96	25th September 2019
2019-20	Workshop on Entrepreneurship and Innovation as Career Opportunity	44	26th September 2019
2019-20	Entrepreneurship Awareness Camp	331	14th to 16th October 2019
2019-20	Best Idea and Business Plan Competition	12	18th October 2019

Year	Name of the workshop/ seminar	Number of Participants	Date From – To
2019-20	HACKFEST 2019	81	02nd to 04th November 2019
2019-20	Industrail Visit to EMMVEE Photovoltaic Power Pvt Ltd	39	06th November 2019
2019-20	Special Talk on Product Development Phases	93	11th November 2019
2019-20	Workshop on Product Design	38	12th November 2019
2019-20	Entrepreneurship Awareness Camp	435	11th to 13th November 2019
2019-20	Industry Visit to ACE Designs Limited & Synergy Punching Pvt Ltd	124	13th November 2019
2019-20	World Idea Day	21	16th November 2019
2019-20	BizEE BEE Project Demonstration -2019	664	18th November 2019
2019-20	Workshop on Innovation and Entrepreneurship	36	22nd November 2019
2019-20	Workshop on National Innovation and Start-up Policy (NISP)	104	20th December 2019
2019-20	International Conference of Innovations In Business Environment : Economic Growth and Sustainable Development	310	23rd & 24th January 2020
2019-20	One Day Session on How to Plan for Start-up and Legal and Ethical Steps	56	07th February 2020
2019-20	New Venture Creation and Business Opportunity Identification for Millennial Entrepreneurs	55	07th February 2020
2019-20	Beyond the walls: using the open environment for design thinking an exercise in blended learning for Architectual design Studio	76	12th February 2020
2019-20	One Day Awareness Session on IPR Copyrights & IP Management	223	19th February 2020
2019-20	Impact Lecture Series-Lecture 1	397	19th February to 12th March 2020
2019-20	Session on IPR & Copyrights	73	20th February 2020
2019-20	IDEATHON by SATTVA EDC CLUB	58	20th February 2020
2019-20	A Coffee Meet Up and Interaction with the Startups	26	22nd February 2020
2019-20	Entrepreneurship Week 2020	306	24th to 28th February 2020
2019-20	Panel Discussion on Changing Landscape of Entrepreneurship: Opportunities and Challenges	204	28th February 2020
2019-20	Industrail Visit to CoreEL Technologies	28	29th February 2020
2019-20	Innovation Day	42	29th February 2020
2019-20	Session on IPR and Copyright	37	05th March 2020
2019-20	Talk and Workshop on Entrepreneurship and Innovation	48	11th March 2020
2019-20	Demo Day - Exhibition Cum Mentorship Session	85	12th March 2020
2019-20	Seminar On Software Awareness Session On Autodesk Fussion 360	36	3.2.2020-3.2.2020
2019-20	Seminar On Application Of Earthing Systems	30	25.1.2020-25.1.2020
2019-20	FDP On Outcome Based Teaching And Assessment	30	8.1.2020-8.1.2020
2019-20	Seminar On Electrical Safety	28	21.1.2020-21.1.2020
2019-20	Seminar On Programming In Java	34	13.2.2019-13.2.2019
2019-20	Seminar On Capacitor Technology	49	23.2.2019-23.2.2019
2019-20	Seminar On High Voltage Engineering And Effects Of Corona Discharge In Power System	30	5.3.2019-5.3.2019
2019-20	Seminar On Application Of Circuit Theory To Real Practical System Design And Development-Case Study	34	23.9.2019-23.9.2019

Year	Name of the workshop/ seminar	Number of Participants	Date From – To
2019-20	FDP	22	22/7/2019 to 28/7/2019

REVA UNIVERSITY
Bengaluru, India

Department of Biotechnology
School of Applied Sciences

Guest Lecture talk on Zoonosis and Zoonotic Diseases: Its implications in Research
Date: 29th August, 2019

Venue: A.P.J Hall, REVA University

A Guest lecture talk was arranged by the Department of Biotechnology on 29th of August, 2019 especially for the Biotechnology and Biochemistry PG students. The resource person for the talk was Dr. G.B. Manjunatha Reddy, presently working as Scientist at ICAR- National Institute of Veterinary Epidemiology and Disease Informatics (NIVEDI), Bangalore. Dr. manjunath has extensive experience especially in the field of veterinary sciences related to rabies and poxvirus. He is a recognized guide to many research scholars and has 57 publication articles along with various other publications.

A total of 160 students and 10 faculty members attended the lecture session. The talk was mainly emphasised on the awareness about zoonosis and zoonotic diseases like rabies, toxoplasmosis, brucellosis . A details review about various zoonotic diseases was explained in a very simplified way thus providing its research implications in nutshell. The talk was winded up with a quick quationare session which was utilized by the students and the faculties in a very positive ways.

The earth provides enough to satisfy every man's needs, but not every man's greed.
-Mahatma Gandhi

Thank you

Zoonosis and Zoonotic Diseases
(Importance and Implications)

Zoonosis and Zoonotic Diseases
(Importance and Implication)
Dr. Manjunatha Reddy, G.R.

Report on presentation on Interdisciplinary Research Avenues: Science (Biotech) and Technology (Engineering) Disciplines

Venue: Junjappa Seminar Hall, Ground floor, School of Applied Sciences. REVA University
Date: Friday, 27/09/2019
Time: 3.30 pm-5.00pm

The presentation on "Interdisciplinary Research Avenues: Science (Biotech) and Technology (Engineering) Disciplines" was arranged by Dr. Divakar, Dean and Dr. Viswanath deputy Dean, Research and Innovation Council. Dr. Divakar, Dean, Research and Innovation Council, Inaugurated the presentation. The talk was delivered on the importance of interdisciplinary research to cater the scientific needs of the modern day world. Resource person Dr. Raje Siddiraju Upendra , Associate Professor, Dept. of Biotechnology gave an insightful presentation on the need, challenges, thrust research areas and possible avenues of interdisciplinary outcome based collaborations research between streams of Biotechnology with other Engineering disciplines. The forum was opened for the discussion and the Dr. Raje Siddiraju Upendra invited Professor Renuka Madhu, Incharge, Department of Biotechnology and Prof. Prashantha, Assistant Professor, Department of Biotechnology to join for the discussion with the forum and Prof. Prashantha shared his research potentials (Computational Biology) in regards to collaborative research opportunities. At the end of presentation the forum discussed about the possible opportunities and thrust research venues for progressive collaborations and the Associate dean and the Dean Research and innovations council were decided to take this forwarded with in the dead line of couple of weeks.

Highlights of the Presentation:

Why Interdisciplinary Research is important?

- ❖ Current academic and Research advancement favors Interdisciplinary approaches
- ❖ Emphasize integrative learning, critical thinking, collaborative approach (Fig 1). and creative problem solving abilities to some of today's most challenging problems.

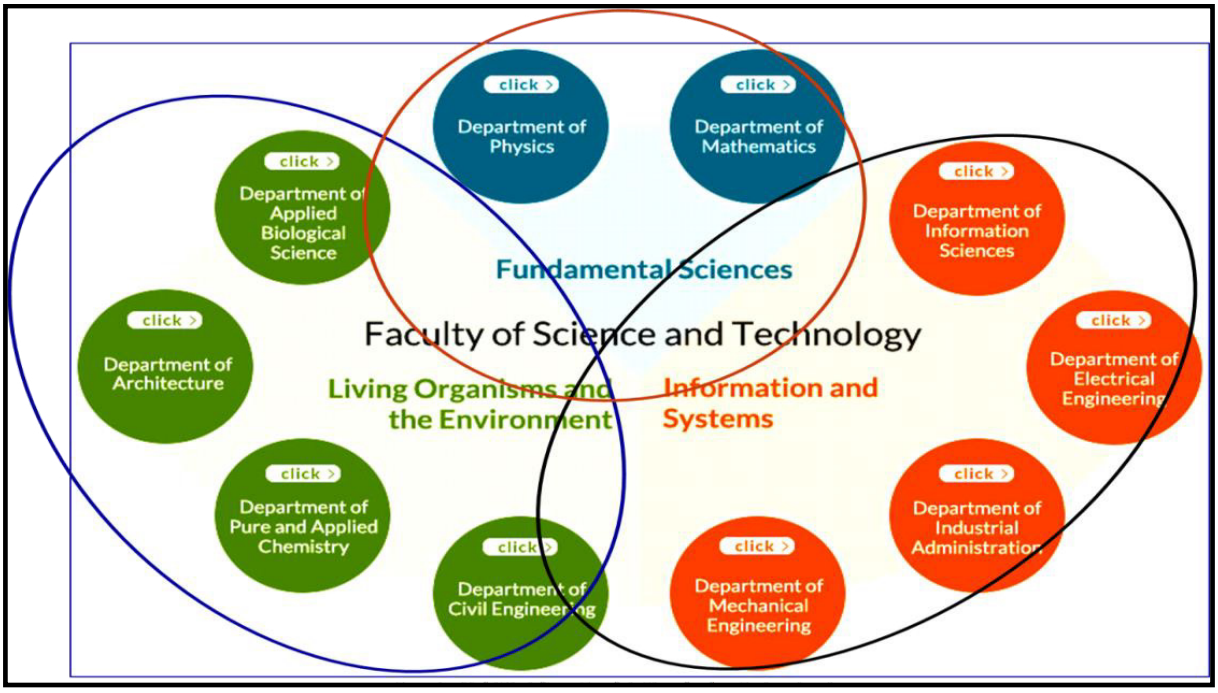


Fig 1. Inter and Multi disciplinary research collaborations

- ❖ Most of the funding opportunities from the reputed funding agencies is targeting interdisciplinary research approaches.
- ❖ Interdisciplinary work will be published in higher ranking journals and receives a greater number of citations indicating it could be of higher quality than mono-disciplinary work
- ❖ Tighter relationships between people indicate more trust and respect and greater access to assets embedded in the University and social network
- ❖ Discover the value of integrating the study of various academic disciplines suited to their life-long interests.

Department of Biotechnology is competent enough in terms of Lab facilities, Technology and Human Recourse to submit joint proposals and also to carry out the following Interdisciplinary thrust Research Areas.

- **<u>Biotechnology-Computer Science & Information Technology (C&IT)</u>**
  - Computational Biology
  - Biosimulation /Bio Process Optimization applying ANN and GA (Brain Python)
  - Digital Agriculture (or) Precision Agriculture
  - Healthcare Informatics
- **<u>Biotechnology-Electronics Engineering (ECE)</u>**

- Bioelectronics
- Smart Farming Technology
- Biosensors
- Nanotechnology

- **Biotechnology and Civil Engineering**
  - Environmental Engineering
  - Concrete Technology
  - Construction Biotechnology
  - Fuel Cell Technology
- **Biotechnology-Mechanical Engineering**
  - Green fuel Technology
  - Bioremediation Technology (Metal working fluid and other)…
  - Bio Material Science and Engineering
  - Nanotechnology

These are the tentative research areas where Biotechnology Department is competent enough but the areas are not restricted only as mentioned, we are open for any active outcome based R&D opportunities, precisely on inter and multi disciplinary research topics; can be decided based on one to one discussion with the particular discipline or school.

Small Idea's
Big Impac

IPR and its implications in Life Science

Intellectual Property Rights (IPRs) are legal rights that protect creations and inventions resulting from intellectual activity in the industrial, scientific, literary or artistic fields.

Inventions, creations in the field of Life Science are growing constantly. Hence, to safeguard one's intellectual property (IPs) in life science and to have a basic knowledge of IPR has become a major aspect.

Department of Biotechnology, School of Applied Science organized an interactive session on IPR in the Field of Life Science on 25th September 2019. The session was conducted by Mrs. Arshiya Ambreen, Corporate Executive & Trainer, REVA University.

The session started with a brief introduction to IP. Resource person gave a deeper insight of IPthe basic characteristics of creations and innovation required for it be called as an IP, examples that students could easily relate to and understand easily.

Further discussions were on different types of IPs which are majorly of 6 types: Copyright, Design, Trademark, Geographical indictors, Patent and Integrated circuit. Each type of IPs was briefed about with very relatable examples.

Furthermore, students were enlightened with the basic knowledge of IP infringement in India, IP related scheme in India and overview of patent documentation. The topics covered were the various IPs that can be patented, the duration of patents and copyrights, different schemes available in India that help in getting IPRs, how to apply for patent, whom to approach etc.

Brief session about the documentation of the patent was also given regarding the format and information that should be given in a systematic manner.

The session was very insightful and knowledgeable as the importance of the IPR in the fields of Life Science was discussed in detail.

Report on MMS Holdings Workshop on Clinical Data Science

Department of Biotechnology, School of Applied Sciences

Venue: MMS Holdings, Rajajinagar

Date: 25-09-2019

One day workshop at MMS Holdings

A one day symposium was held at MMS Holdings, Rajajinagar based upon clinical research and medical writing occurred on 24th of September 2019. MMS is a Clinical Research Organisation (CRO) which provides its clients medical writing, document writing for clinical trial reports. It was a very approachable ambience at MMS, students doubts regarding medical writing was clarified. Students learned about the company and the documents they handle were also explained in detail. Company tour was planned to understand the different steps through how a document is processed to be finally sent to the approval of FDA and other likely organisations. Medical writing as a career for biotechnologist was explained, it terms of career growth it is endless as medical field and pharmaceutical industries are not affected by economical distress within a country or around the world.

Medical writing is an important aspect of clinical research as it aids transparency to three different types of clients; the medical doctors, the pharmacologists and the general public. The transparency of the drug is revealed and explained in scientific way. The medical doctors are disclosed the major information on one end and on the other end the general public are minimally disclosed only as much that can be understood. A medical writing report can be anywhere between 10 to 20 pages or even more than that. Sometimes the reports can be very huge. Medical writing requires a great deal of skill and experience to master it as it contains scientific, medical terms and statistical data as well, to write a report of such requires training and that is when MMS University provides a 60 hours course upon medical writing online with considerable instalment payment option as well. The course is conducted by highly experienced professionals in the industry.

Lastly, MMS even provides a Three weeks of internship program amounting to about 2500 INR, where the basics of medical writing and clinical research can be explored and shadowing a medical writer at the MMS company could also be provided. The company was very flexible quoting that it is absolutely required to be clear about the choice as a medical writer, either a yes or a no. Quality analyst was bought in as per the request of students to clear our queries and also students had a very interactive session with a medical writer professional with six years of experience at MMS to clear our queries. Students were also given extremely good career guidance as already mentioned about the flexibility of the symposium and gave career guidance taking not only medical writing or clinical research as a target but other fields as well.

It was an extremely informative, useful and enlightening session with the professionals at MMS including Ms Nandini, head of the company, Tejaswini, medical writer.

AMAS

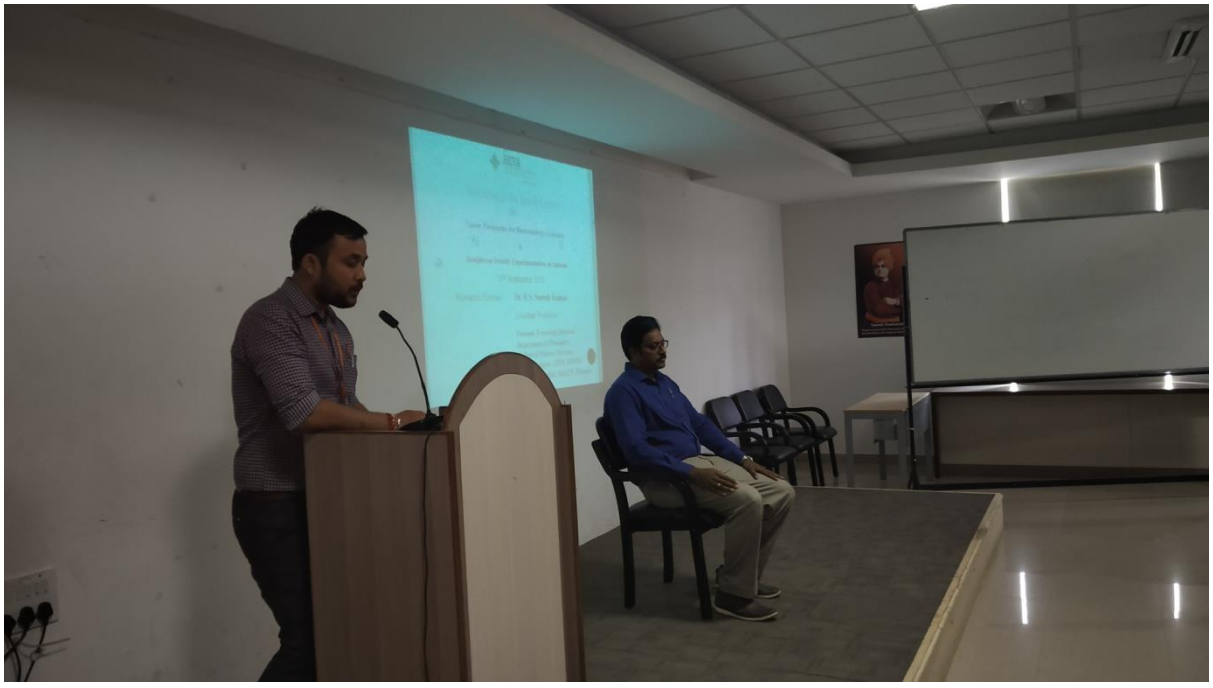
REVA UNIVERSITY
Bengaluru, India

Department of Biotechnology
School of Applied Sciences

Report on Guest Lecture

The department of Biotechnology, School of Applied Sciences conducted a guest lecture by Dr. Suresh Kumar RS (Assistant Professor, Forensic Toxicology Division, Department Of Chemistry, College Of Natural Sciences, Abaya Campus, Arba Minch University, Arba Minch, Ethiopia) on 11.9.2019 at APJ Abdul Kalam Hall, Science Block. The conducted guest lecture was an interactive session between the students, faculty members and the resource person. The lecture comprised of the career orientation for the students after PG course. Students got briefed about the various career opportunities like research, industrial jobs, and entrepreneurships which are available after post graduation. They also learned about the various research opportunities available at national and international level, also the correct applying process. The speaker also briefed regarding the proper planning and various methodologies opted during a good research work. He discussed about the possible experimental animal models related to eco-toxicity, which can be a substitute for rats and mice model during the research work. Overall the session was a fruitful and beneficial session, which provided a proper understanding of research.

REVA



Content of the Presentation

Thank you

Report on Invited Guest Talk

School: Applied Sciences, Department of Biotechnology

Venue: Junjappa Seminar Hall

Target Audience: M.Sc I & III Sem Biotechnology & M.Sc III Sem Biochemistry (100)

Date: 19/9/2019

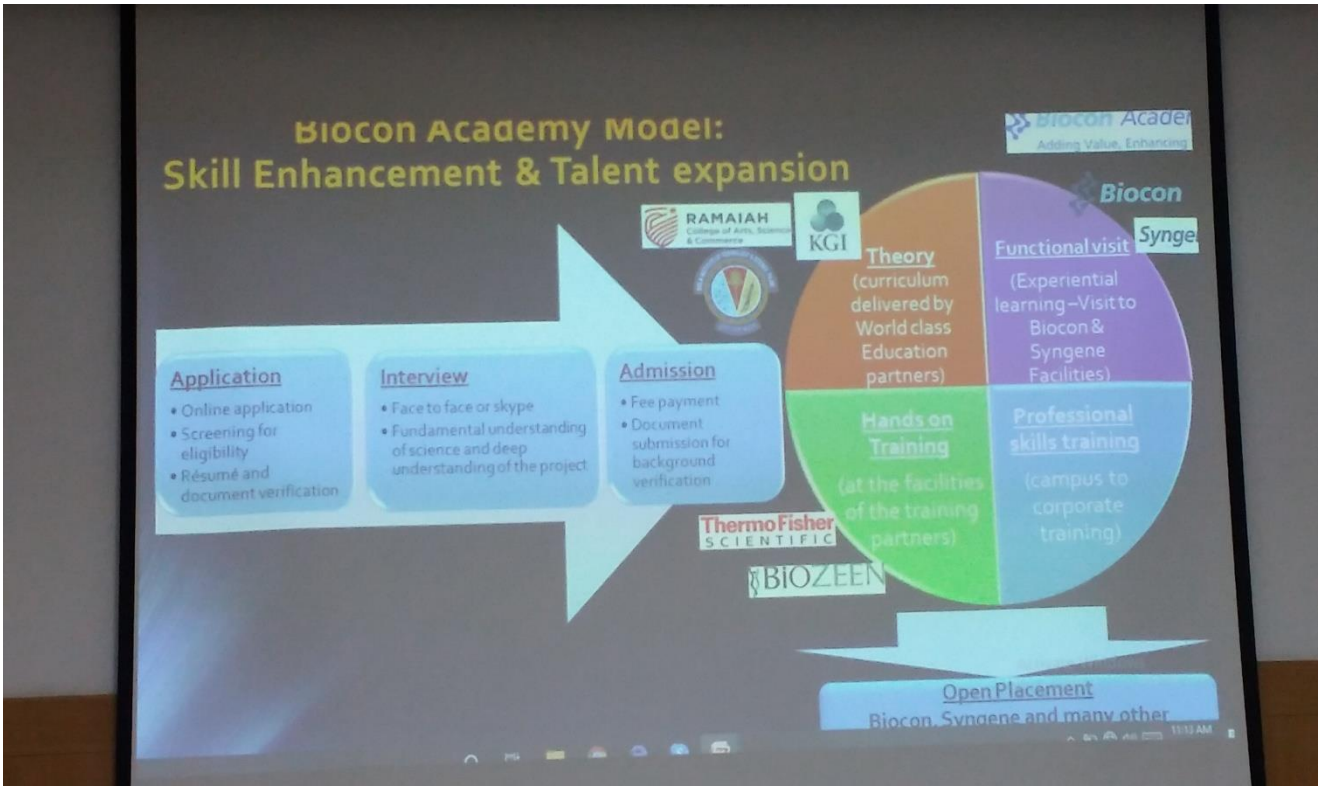
Resource Person:

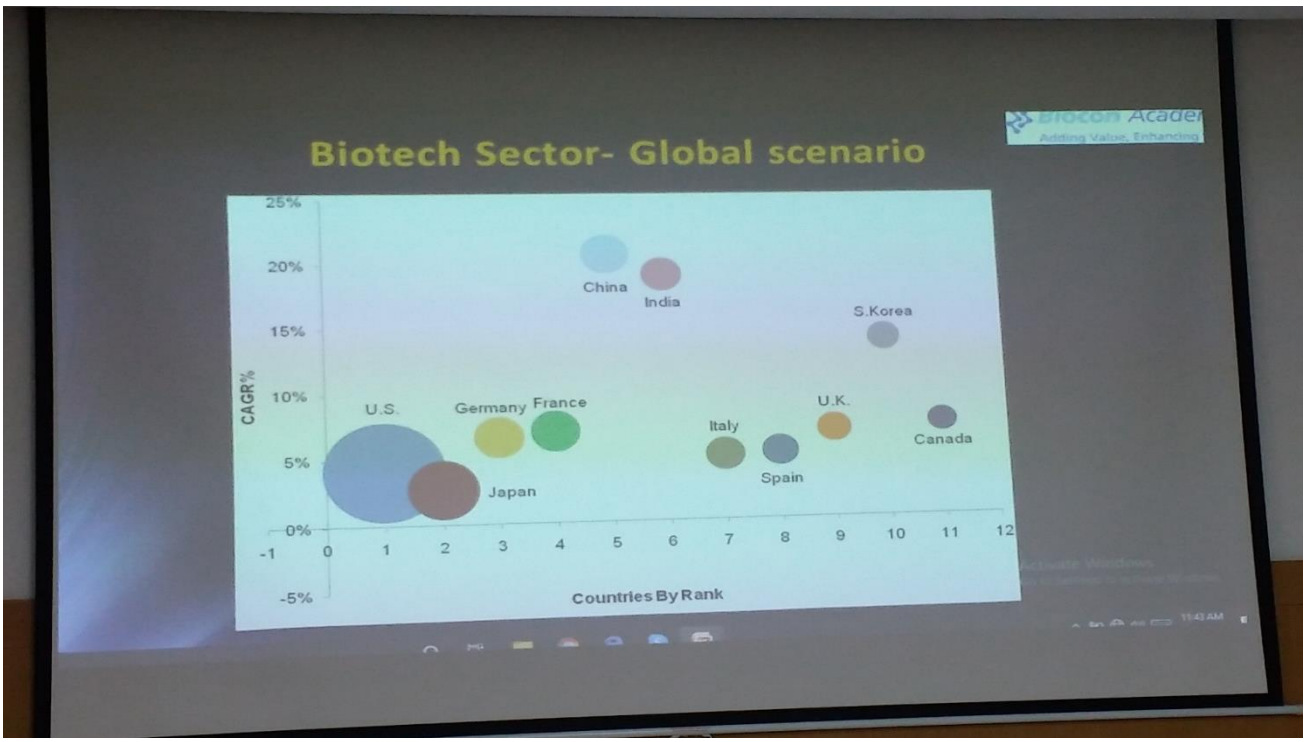
- **Name :** Dr. Ramagopal, Manager, Biocon, "Biocon KGI Certificate Program in Biosciences
- **Qualifications:** M.Sc., Ph.D., MBA Professionals, PGD Patents Law
- **Experience:** 20 Years in Teaching, Research, Leadership & Managerial roles in Life Sciences
- **Current Position & Responsibilities:** Academic Manager, Biocon Academy (2016 onwards). Managing **"Biocon KGI Certificate Program in Biosciences",** an Advanced Skill. Development Training Program providing 100 % job opportunities to Life Science professionals in Biotechnology, Biopharma & Bio-Services Industry. Managing Biocon Academy **"Faculty Development Program"** – an Industrial Training program for Life Science Faculty members in the area of Biopharmaceuticals.
- **Teaching :** Biopharmaceuticals, Drug Discovery & Development, GMP, QC, QA, IPR etc.

Title of the Invited Guest Talk: "Career Opportunities in Life Sciences"-Industry

Dr Beena G, Associate Dean, School of Applied Sciences, Inaugurated the talk on an auspicious note by welcoming the resource person with an offering of a Vedic sapling *Ocimum tenuiflorum* (Tulasi). Dr R S Upendra, Associate Professor, Department of Biotechnology, School of Applied Sciences gave the welcome address.

The talk was delivered on the career prospects and the industry opportunities available for the life science post graduate students. Resource person Dr. Ramgopal gave an insightful presentation on the essential skills sets required for the PG graduates to promote their job opportunities.





Representing the Biocon academy the resource person shared the information about the objective and the outcomes of **"Biocon KGI Certificate Program in Biosciences",** an Advanced Skill. Development

Training Program providing **100 % job opportunities** to Life Science professionals in Biotechnology, Biopharma & Bio-Services Industry. At the end resource person interacted well with the students, answered all their queries and discussed with them about their career plan. The Invited Guest talk end with the Vote of thanks and a token of gratitude to the resource person by Professor. Renuka Madhu, HOD Biotechnology, School of Applied Sciences.

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Careers in Clinical Research Industry
2019

REPORT OF SKILL DEVELOPMENT PROGRAM

ON

"HPLC and Spectro-photometric analysis of synthetic and biological compounds"

Date: 23rd -25th October 2019

The Skill Development Program was conducted by the School of Applied Sciences, REVA University in association with Azyme Bioscience Pvt. Ltd. for the 1st year M.Sc. students (68) on 23rd -25th October 2019. The SDP was conducted on "HPLC and Spectro-photometric analysis of synthetic and biological compounds". The resource persons for the day were Dr. Mahesh M (CEO, Azyme Bioscience), Dr. Ramachandra R, Assistant Professor, Dept. of Biotechnology and Dr. Prabhakar Mishra, Assistant Professor, Dept. of Biotechnology.

DAY 1-

On the first day students were given analytical training to regarding the spectroscopic instruments (UV Spectroscopy) and its working. The students learned about various concepts of photometry, Wavelength scanning and kinetics study.

DAY 2-

On the second day the concept of HPLC (High performance liquid chromatography) was being taught and students were trained for the various concepts of HPLC like mobile phase preparation, purging , sample loading generation of chromatogram, detection of retention time peak and interpretation of results using the eluted peaks for the standards and samples.

Day 3 –

On the third day, guest lecture was delivered by Dr. Mahesh M, CEO Azyme Bioscience Pvt. Ltd. Post lecture session the students were trained for the interpretation of results obtained from HPLC and UV spectroscopy. The session ended with feedback session.

Students enthusiastically participated in the two day SDP program. The session concluded with the information on the applications of these techniques in the field of life Sciences.

REVA UNIVERSITY
Bengaluru, India

Report on Guest Lecture

Title of the talk: "Journey through the world of sequencing technology: connecting past, present & looking into future"

Department of Biotechnology, School of Applied Sciences

Venue: APJ Abdul Kalam seminar Hall, Science block

Date: 31-01-2020 **Time:** 11:00 A.M. to 12:00 P.M

The Department of Biotechnology, School of Applied Sciences organized a guest lecture by Dr. Bony De Kumar, Director, Genomics core, School of Health and Medical Sciences, University of North Dakota, USA on 31.01.2020 at APJ Abdul Kalam Hall, Science Block. Dr. Bony De Kumar is an expert in bioinformatics, genomics and developmental biology. He has published several scientific articles in several peer reviewed journals of very high impact factor. His research work is published in reputed journals such as Proceeding of National academy of Sciences (PNAS), Genome research, Science reports, Blood, Cell Reports, Genes Dev etc.

Dr. Bony's talk was focused on rapid strides made in DNA sequencing methods starting from first generation method to latest third generation sequencing platforms. He explained in detail about the fundamentals of first generation sequencing techniques including the most popular Sanger sequencing method. He explained in detail about sequencing methodology utilized to sequence the whole human genome which took more than 13 years to complete in 2003. After completion of human genome project, several next generation sequencing (NGS) technologies came to market which dramatically reduced the time required to sequence the whole genomes. Dr. Bony explained in detail about the several NGS platforms such as Illumina sequencing technology, Pacbio sequencer, and Nanopore sequencer. The major advantage of NGS techniques is multiplexing i.e. multiple samples can be sequenced in one run which reduces the cost of sequencing dramatically.

Dr. Bony explained in detail about the technologies behind the NGS which has brought revolution in the genomics field, molecular diagnostics and personalize medicine. NGS has created enormous career opportunities for students in the field of bioinformatics and biotechnology. Over all, students have gained immense knowledge about the modern sequencing technologies.

We would like to thank our honorable Chancellor, Dr. Shyama Raju sir for his enormous support and inspiration. We would also like to thank Vice Chancellor, Dr. S. Y. Kulkarni sir, Pro Vice Chancellor, Dr. Lakshman Kumar sir, Registrar, Dr. Dhanamjaya sir, Dean-Training, Placement and Planning officer, Dr. Ramesh sir, Dean – Research and Innovation, Dr. B. P. Divakar sir for their constant support and encouragement. We would like to express special thanks to Dr. Beena madam, Associate Dean, School of Applied Sciences, Shilpa madam, Renuka Madam, and all the faculties of Biotech department for their support and involvement in making this talk successful.

2020.01.31 11:16

Single molecule sequencing
Nanopore
School of Medicine & Health Sciences

earth provides enough
tisfy every man's needs,
ot every man's greed.
-Mahatma Gandhi
Journey through world of
sequencing : Connecting past and
present and looking into future

REVA UNIVERSITY
Bengaluru, India

Report on Guest Lecture

Department of Biotechnology, School of Applied Sciences

Venue: APJ Seminar Hall, Science block.

Date: 17-01-2020

The Department of Biotechnology, School of Applied Sciences organized a guest lecture by Dr. Shailesh Kumar, Staff Scientist II, National Institute of Plant Genome Research (NIPGR), New Delhi, on 17.01.2020 at APJ Abdul Kalam Hall, Science Block. Dr. Shailesh is an accomplished bioinformatician, published more than 40 scientific articles in peer reviewed journals. Dr. Shailesh's talk was focused on various aspects of bioinformatics including databases, portals and methodologies. Speaker explained lucidly about different databases such as cancer drug resistance database, pancreatic cancer methylation database and Arabidopsis thaliana fusion transcript database, and Plant virus SiRNA database. He spoke about his first project (during his Ph.D.), which involved assembling of Burkholderia species SJ98 genome sequences at IMTECH, Chandigarh. He introduced the audience to a very interesting database on fusion transcripts which is useful in the diagnosis of several cancers and diseases. He answered many interesting queries on next generation sequencing techniques and discussed advantages and disadvantages of several NGS techniques. Along with the lecture, speaker spoke about career opportunities for the students in the Bioinformatics field. Over all, Dr. Shailesh kumar delivered a very inspiring talk and apprised the students about the latest development in the bioinformatics field.

UNIVERSITY
GUEST LECTURE ON
"SURGE OF GENOMICS DATA : MICROBES TO PLANTS"
Resource Person:
Dr. SHAILESH KUMAR
Staff Scientist II
National Institute of Plant Genome Research (NIPGR), New Delhi.
Organized By:
Dept. of Biotechnology
School of Applied Sciences
REVA University
Date: 17th January 2020, Friday
Science Block

earth provides enough
satisfy every man's needs,
not every man's greed.
-Mahatma Gandhi
GUEST LECTURE ON
PLANTS"
Organized By:
REVA University
Science Block

Microbial Genome assembly and annotation
Contigs (79)
Scaffolds (17)
Annotated genome

REVA UNIVERSITY
Bengaluru, India
Established as per the section 2(f) of the UGC Act, 1956,
Approved by AICTE, New Delhi

Title: Report on IPR and Copyright Session

Date: 20th February 2020

Organized By: UIIC in association with School of Applied Sciences, Department of Biotechnology

Subject: Session on IPR and Copyrights

Coordinator: Prof. Renuka Madhu

Venue: Science Block, REVA University

Description of Event:

UIIC, REVA University in association with **School of Applied Sciences, Department of Biotechnology** conducted a session on **IPR on 20th of February** to the students of MSc Biotechnology, II sem students. 70 students attended the session. The resource person for the session was **ArshiyaAmbreen, Corporate Executive and Trainer, UIIC**

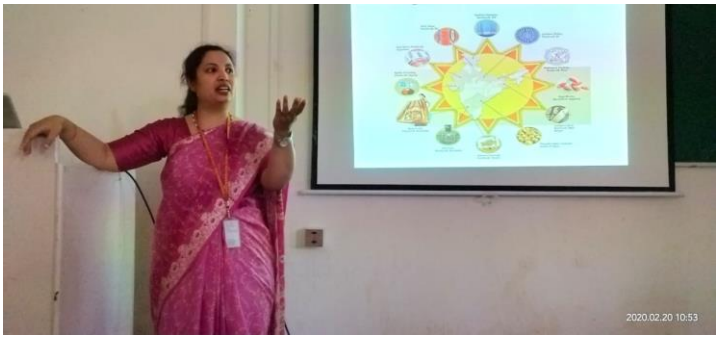
Detailed account of different types of IPR and its implications in Biotechnology was given by the resource person. The modules of the session included following topics:

1. Introduction on Patents and Copyrights
2. Importance and Significance of IPR and Copyrights
3. Trademark
4. Trade-secret
5. Design

6. Geographical Indications

7. Implications in Life Sciences

Basic criteria of patentability was discussed, detailed information on prior art was given. The procedure for patenting was also explained



The session was very productive where students learned about IPR laws in India and its implication in clinical research and other domains of life sciences.

We would like to thank our Honorable Chancellor Dr. P. Shyama Raju Sir and the management for the support extended in organizing such events. Special thanks to Dr. Beena G, Associate Dean, Applied Sciences, for the extended support. Heartfelt thanks to Dr. Kiran KumariPatil, Director, University Industry Interaction Center for the initiative taken in organizing the event. We appreciate the efforts put by the faculty members of Biotechnology department in this regard. made by the Biotechnology department faculty members

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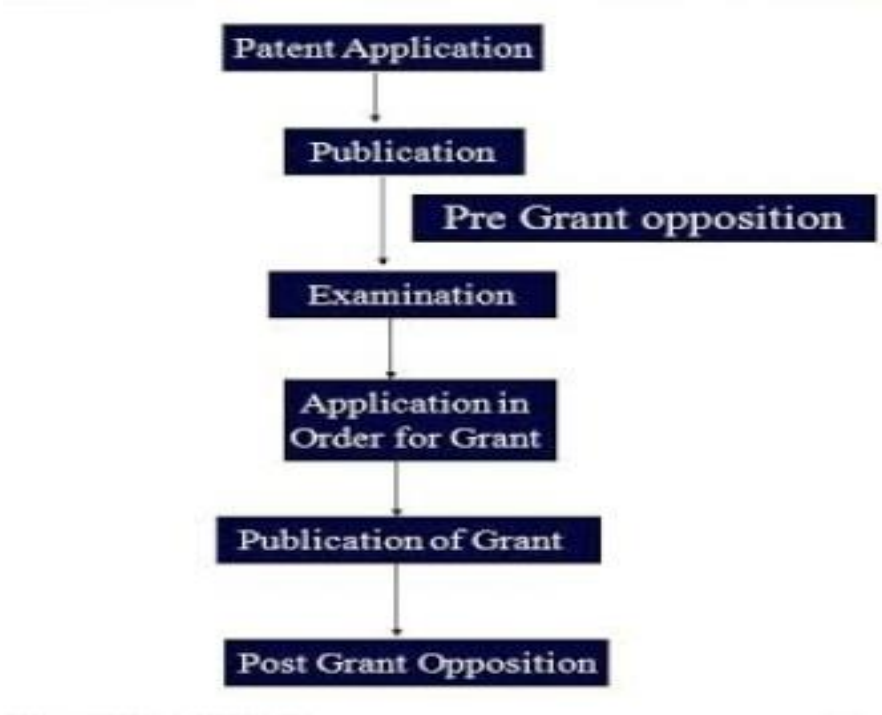


We would like to thank our Honorable Chancellor Dr. P. Shyama Raju Sir and the management for the support extended in organizing such events. Special thanks to Dr. Beena G, Associate Dean, Applied Sciences for the immense support extended. Heartfelt thanks to Dr. Kiran KumariPatil, Director, University Industry Interaction Center for the initiative taken in organizing the event. We appreciate the efforts put by the faculty members of Biotechnology department in this regard.

The session was very productive where students learned about IPR laws in India and its implication in clinical research and other domains of life sciences.

What about these?
REDMI K20 PRO
AI TRIPLE CAMERA

Trademarks Infringement!
REVA UNIVERSITY
nandini
Paytm
PayPal
REDMI K20 PRO
AI TRIPLE CAMERA

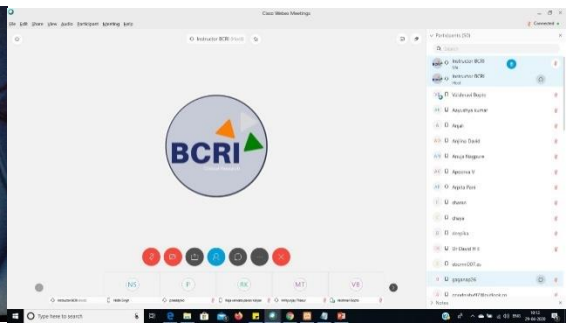
REDMI K20 PRO
AI TRIPLE CAMERA

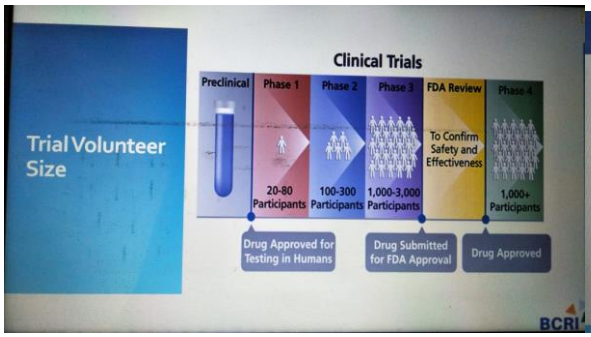
REVA UNIVERSITY
Bengaluru, India

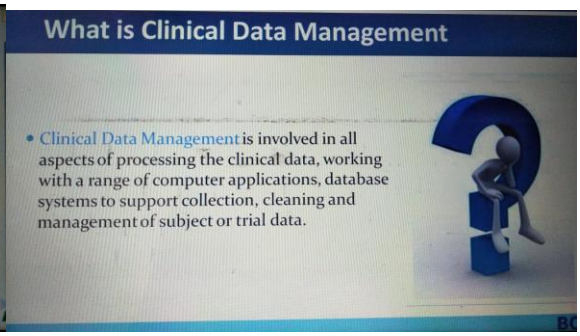
Report on the Orientation Program on Clinical Trial Management

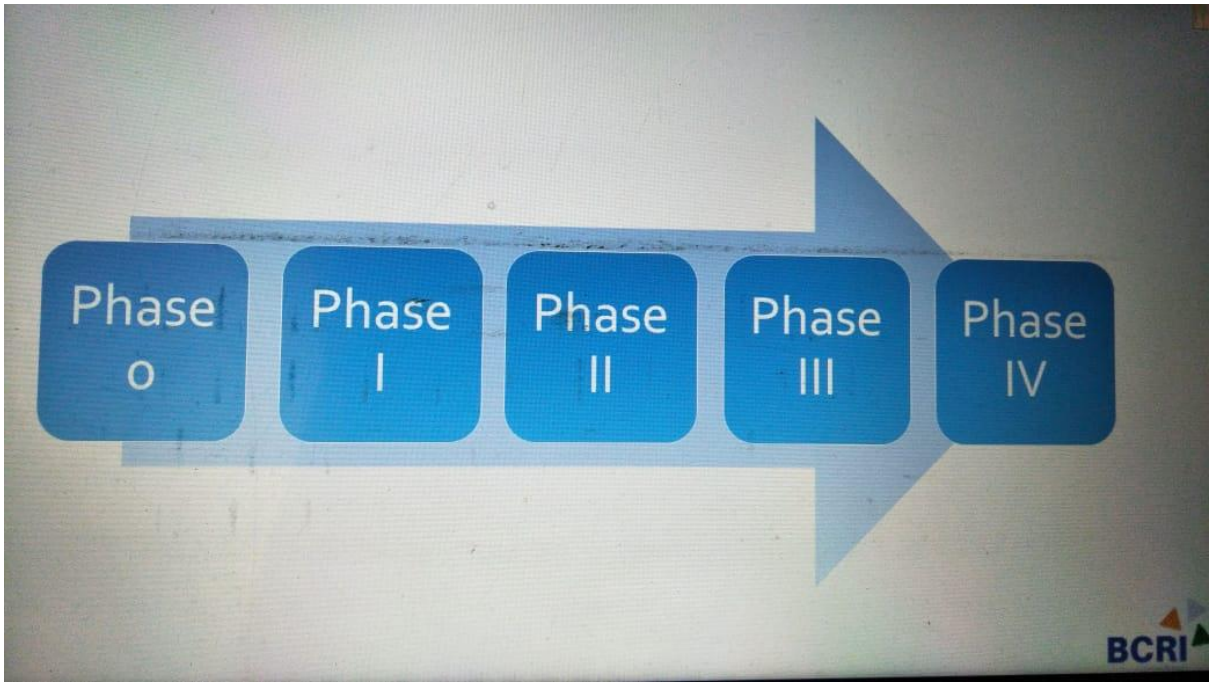
Department of Biotechnology, School of Applied Sciences
Date: 29-04-2020

The Department of Biotechnology, School of Applied Sciences has given the students of the second semester M.Sc. Biotechnology, the opportunity to interact with the Founder BCRI, Pankaj Rana and CO-founder BCRI, Dr.Sreedhar Reddy Sir. instructors of BCRI (Bangalore Clinical Research Institute) on 29.04.2020. This interaction was done through Cisco Webex, an online portal. The main speaker for the day was PadmapriyaRoa, Technical Lead IQVIA. The speaker explained the overall view on the importance of clinical trials and the different phases involved during the trials. She also emphasised on the importance of data management and also shared the ways to rectify errors done while entering the data. The speaker enlightened students about the connection between the sponsor, site and the CRO. A Sponsor is a group of people or a single individual who is willing to sponsor for the commencement of clinical trials to take place. Site is the location of the clinical trials to be executed and the CRO helps management of the data entered at the site and these datas can be shared by using a common database by the sponsor, site and the CRO. The speaker also mentioned the role of regulatory authorities in clinical trial. Detailed account of CRO's in India and the job opportunities in the domain was shared with student.It was a very interactive and an informative session and the speaker answered the all the queries raised by the students.




Trial Volunteer Size
Clinical Trials
Preclinical
Phase 1
Phase 2
Phase 3
FDA Review
Phase 4
20-80 Participants
100-300 Participants
1,000-3,000 Participants
To Confirm Safety and Effectiveness
1,000+ Participants
Drug Approved for Testing in Humans
Drug Submitted for FDA Approval
Drug Approved
BCRI


What is Clinical Data Management
• Clinical Data Management is involved in all aspects of processing the clinical data, working with a range of computer applications, database systems to support collection, cleaning and management of subject or trial data.


Phase o
Phase I
Phase II
Phase III
Phase IV
BCRI

School : Applied Sciences - Biotechnology

Event : Webinar on Forensic Science in Crime investigation

Date : 29.05.2020

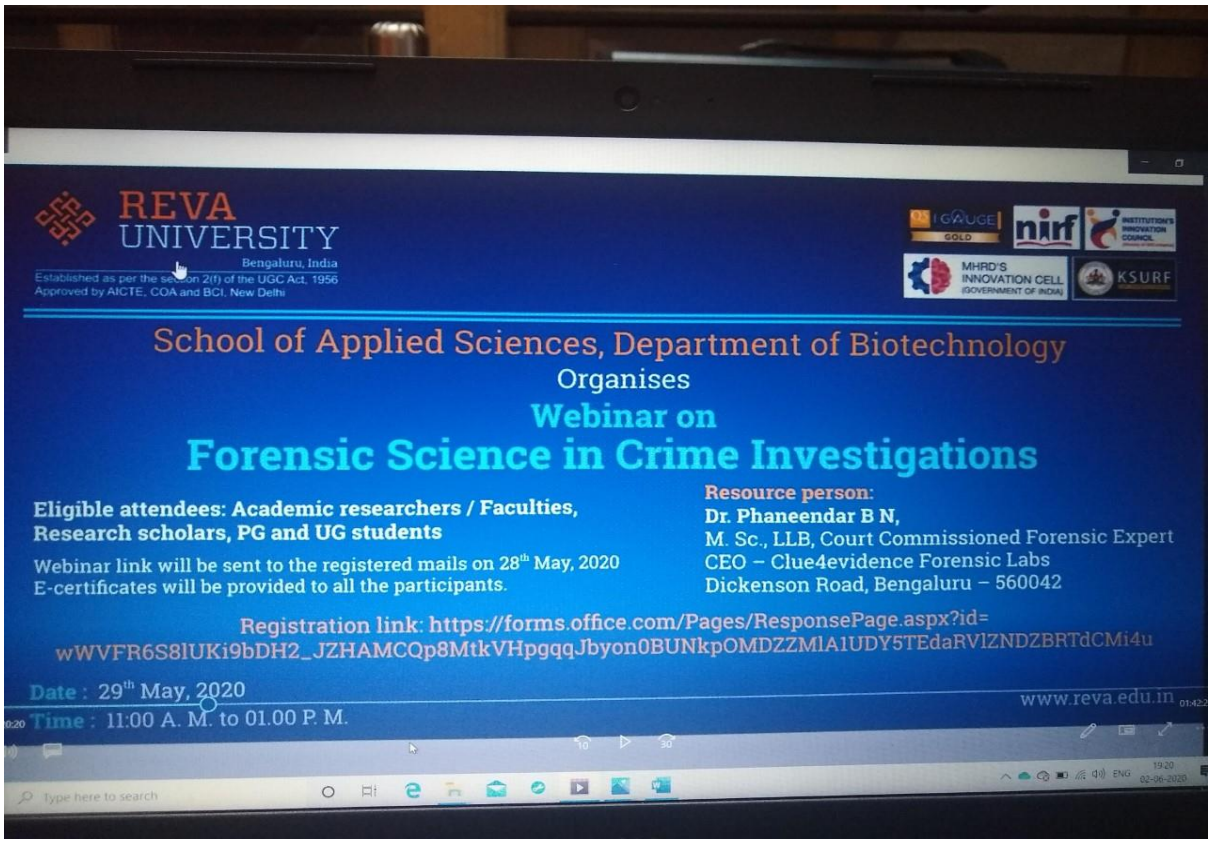
Venue : MS teams' live event

Report on Webinar on Forensic Science in Crime investigation

The Department of Biotechnology, School of Applied Sciences had organized a webinar on Forensic science in crime investigation on **29.05.2020 from 11:00 am to 1:00 pm,** through MS teams Live event platform. The session was open for the faculties, research scholars and students from Science and Engineering streams. The resource person for the webinar was **Mr. Phaneendar. B. N.,** Court Commissioned Legal Expert, Managing Director, Clue4evidence Forensic Labs, Bengaluru – 42.

The webinar highlighted on the amalgamation of sciences in the investigation of the criminal offenses like physics, biology, chemistry, toxicology, anthropology, dermatoglyphics, entomology, ballistics and digital sciences. Brief insight was given on the utilization of the technology in the different fields for the analysis of the evidence from crime scene. The webinar had an interactive session where the queries were answered by the resource person. About 200+ participants from across the country, attended the webinar. It was a enlightening and fruitful session.

The Department of Biotechnology, School of Applied Sciences thank the IT department for their support for the success of the webinar.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Bengaluru, India
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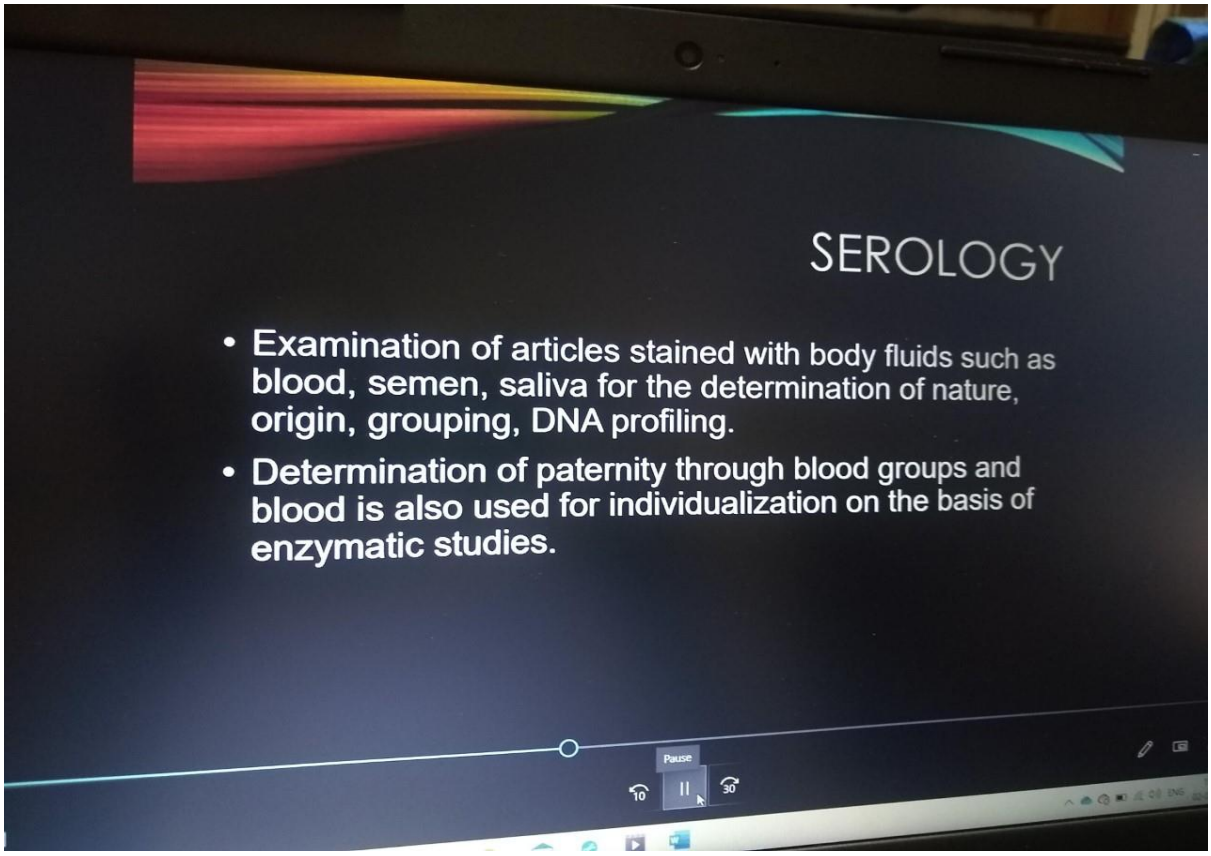
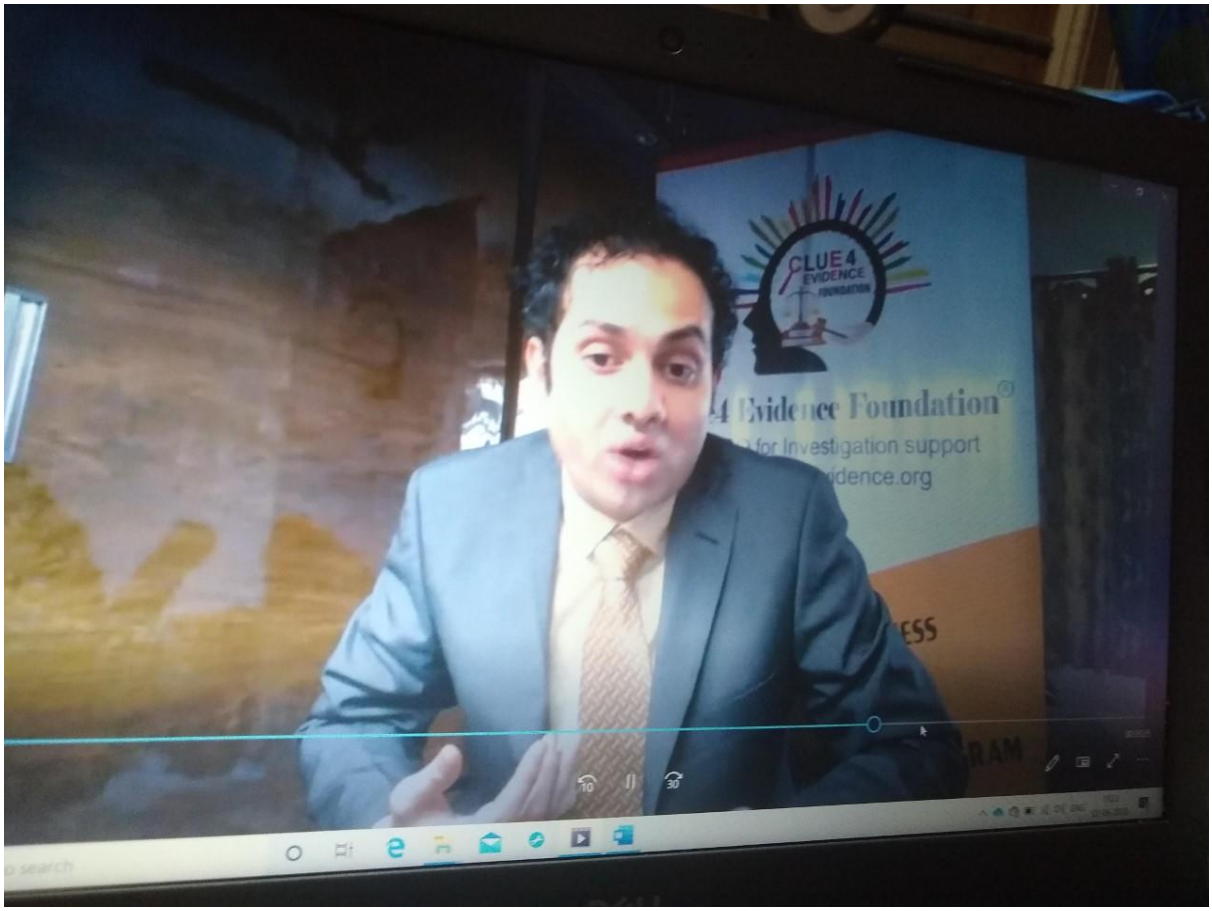
School of Applied Sciences, Department of Biotechnology
Organises
Webinar on
Forensic Science in Crime Investigations
Eligible attendees: Academic researchers / Faculties, Research scholars, PG and UG students
Webinar link will be sent to the registered mails on 28th May, 2020
E-certificates will be provided to all the participants.
Resource person:
Dr. Phaneendar B N,
M. Sc., LLB, Court Commissioned Forensic Expert
CEO – Clue4evidence Forensic Labs
Dickenson Road, Bengaluru – 560042
Registration link: https://forms.office.com/Pages/ResponsePage.aspx?id=
wWVFR6S8lUKi9bDH2_JZHAMCQp8MtkVHpgqqJbyon0BUNkpOMDZZMlA1UDY5TEdaRVlZNDZBRTdCMi4u
Date : 29th May, 2020
Time : 11:00 A. M. to 01.00 P. M.
www.reva.edu.in

FORENSIC SCIENCE IN CRIMINAL INVESTIGATION
CLUE 4 EVIDENCE
FORENSIC LAB
ISO 9001: 2015 & 10002 : 2014 Certified
PHANEENDAR B N M.Sc (LLB)
Managing Director – Chief Forensic Expert
Court Commissioned Forensic Expert, Bangalore


SEROLOGY
• Examination of articles stained with body fluids such as blood, semen, saliva for the determination of nature, origin, grouping, DNA profiling.
• Determination of paternity through blood groups and blood is also used for individualization on the basis of enzymatic studies.
Pause


CLUE 4 EVIDENCE FOUNDATION

REVA UNIVERSITY
Bengaluru, India
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Approved by AICTE, New Delhi

Report on
"Awareness on IPR"

Students: B.Tech Students, School of Electronics and Communication Engineering.

Venue: Room No. 213, Sir C V Raman Block, REVA University.

Date: 12-10-2019.

Organized By: School of Electronics and Communication Engineering in association with UIIC

Faculty Coordinators: Prof. Nirmalkumar S. Benni, Dr. Ravikumar M G

School of Electronics and Communication Engineering in association with IPR Cell, UIIC, REVA University organized and conducted a session on IPR on 12th of October to the students of B.Tech, School of Electronics and Communication Engineering. 50 students attended the session for the same.

The training was conducted by resource person, Mrs. Arshiya Ambreen, Corporate Executive and Trainer. The main purpose of the training is to impart skills on Patent and Copyrights.

We would like to thank our Honourable Chancellor Dr. P. Shyama Raju Sir for providing all facility and supporting to organize such events. We also thank Vice Chancellor Dr. S.Y. Kulkarni, Registrar Dr. M. Dhanamjaya, Dean, Placement, Training, and Planning Dr. N. Ramesh. We would like to thank Dr. R C Biradar, Director - School of Electronics and Communication Engineering, for providing all the facilities, support and encouragement towards organizing the sessions. We also thank to Dr. Kiran Kumari Patil, Director, University Industry Interaction Center, for the involvement in taking up and organizing the Program.

We thank all the teaching and non teaching staff members involved for the successful conduction of the session.

Photographs:

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Bengaluru, India
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Approved by AICTE, New Delhi

Report on
"Intellectual Property Right - Significance in Research"

Participants: M. Tech Students, Research Scholars and Faculties, School of Electronics and Communication Engineering.

Venue: Aryabhatta Seminar Hall, Sir C V Raman Block, REVA University.

Date: 0 8 -11-2019.

Organized By: School of Electronics and Communication Engineering in association with UIIC

Faculty Coordinators: Prof. Nirmalkumar S. Benni, Dr. Ravikumar M G

School of Electronics and Communication Engineering in association with IPR Cell, UIIC, REVA University organized and conducted a session on IPR-- Significance in Research on 08th of November to the students of M.Tech, Research Scholars and Faculties, School of Electronics and Communication Engineering.

The training was conducted by resource person, Mr. Suraj N, Founder & CEO Drona Automations Pvt Ltd Sanjaynagar, Bengaluru. The main purpose of the training is to impart skills on Patent and Copyrights.

We would like to thank our Honourable Chancellor Dr. P. Shyama Raju Sir for providing all facility and supporting to organize such events. We also thank Vice Chancellor Dr. S.Y. Kulkarni, Registrar Dr. M. Dhanamjaya, Dean, Placement, Training, and Planning Dr. N. Ramesh. We would like to thank Dr. R C Biradar, Director - School of Electronics and Communication Engineering, for providing all the facilities, support and encouragement towards organizing the sessions. We also thank to Dr. Kiran Kumari Patil, Director, University Industry Interaction Center, for the involvement in taking up and organizing the Program.

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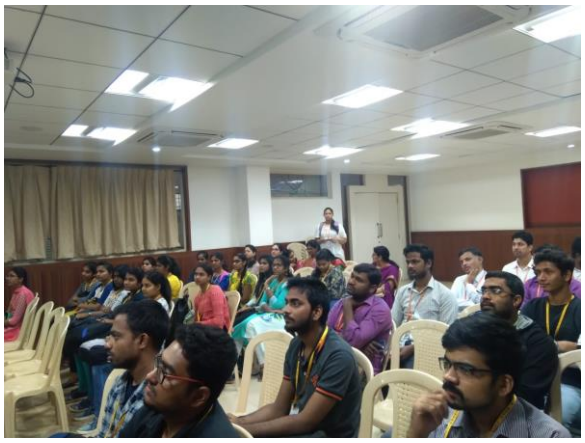
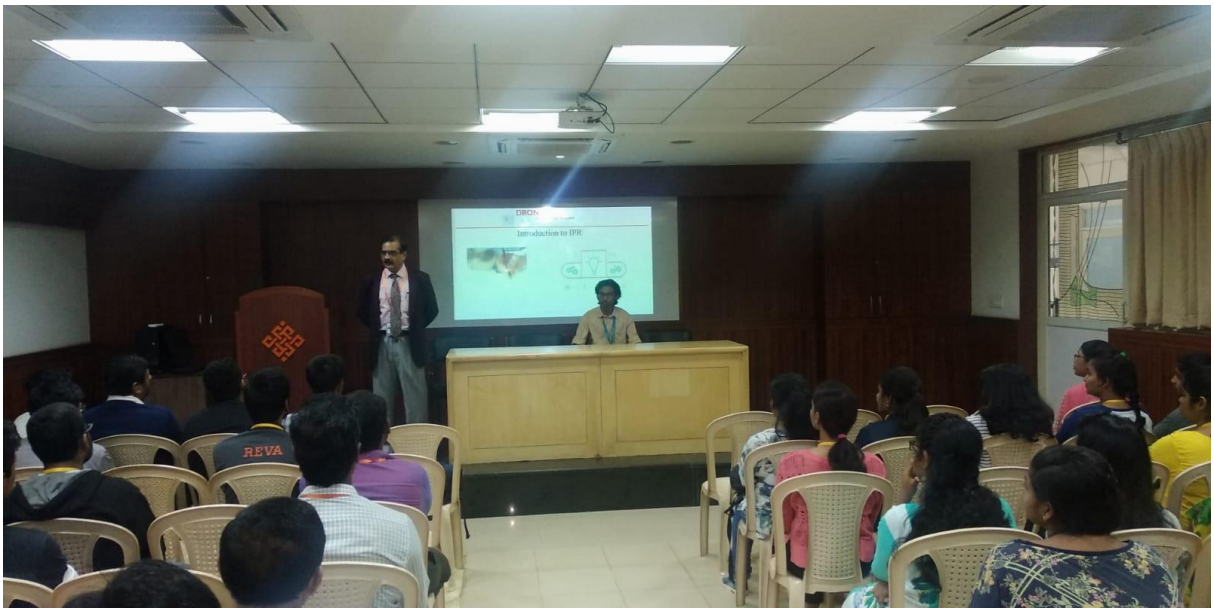
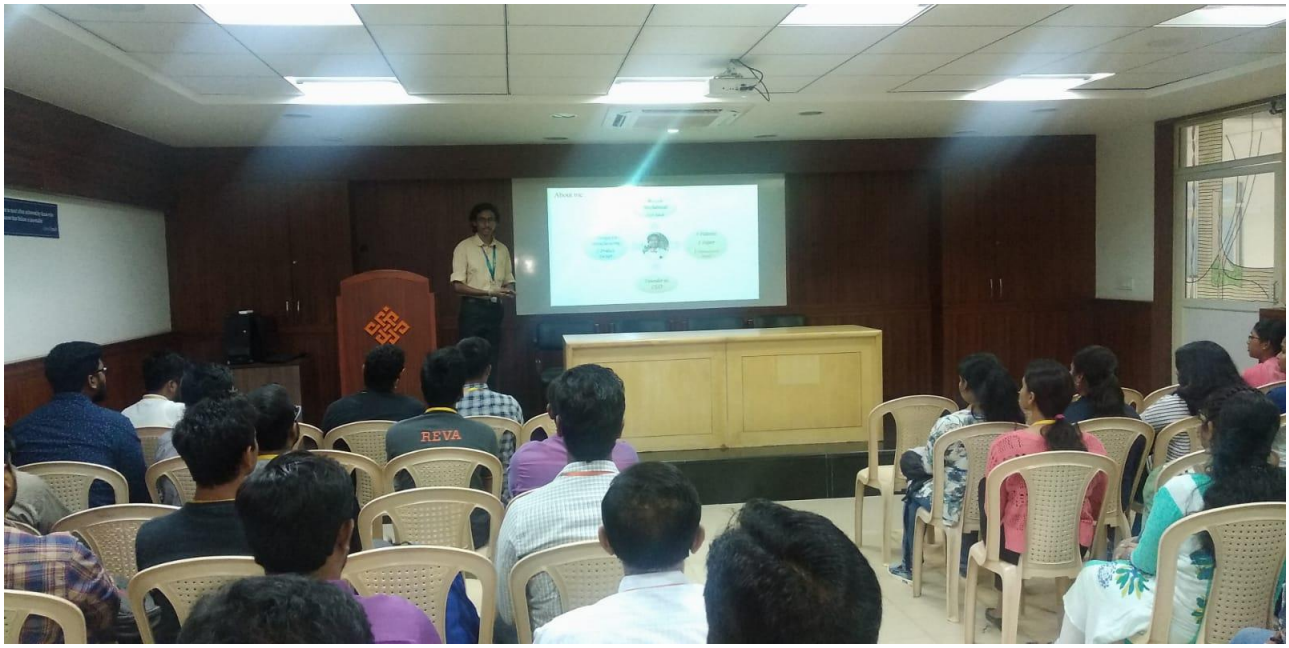



Introduction to IPR
REVA


REVA

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Report on
"Awareness on IPR"

Students: B.Tech Students, School of Electronics and Communication Engineering.

Venue: Room No. 201, Sir C V Raman Block, REVA University.

Date: 11-01-2020.

Organized By: School of Electronics and Communication Engineering

Faculty Coordinators: Prof. Roshan Zameer Ahmed and Prof. Nirmalkumar S. Benni.

School of Electronics and Communication Engineering, REVA University organized and conducted a session on IPR on 11th of January 2020 to the students of B.Tech, School of Electronics and Communication Engineering. 20 team's head attended the session for the same.

The training was conducted by resource person Prof. Roshan Zameer Ahmed and Prof. Nirmalkumar S. Benni. The main purpose of the training is to impart skills on Patent and Copyrights.

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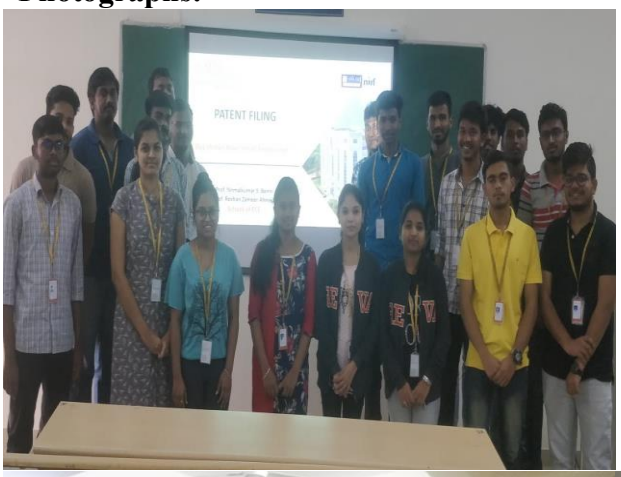
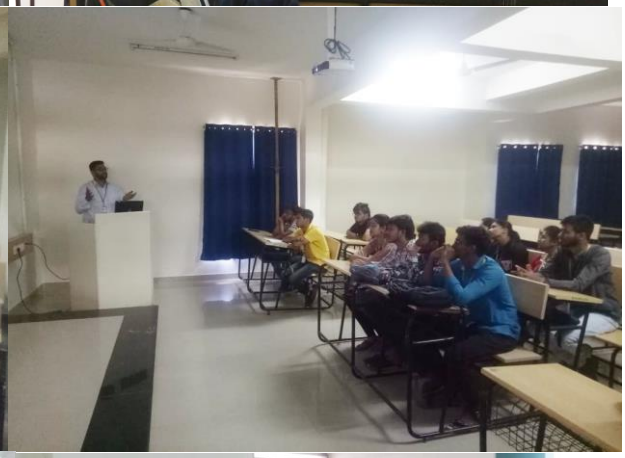




REVA UNIVERSITY
BENGALURU • INDIA

SCHOOL OF ELECTRONICS AND COMMUNICATION ENGINEERING

Webinar Report on"Research tools"

The School of ECE (Team 8) had organized a webinar on "**Research tools**" dated on 30th June 2020 between 7 PM to 8 PM which was conducted online.

The resource person was Dr.Manish Sharma,Professor Research in Chitkara University,Punjab. Prof. Manish Sharma completed his Ph.D. with thesis title "Design of Passive Microwave Components and Antenna with DGS on Si Substrate" from Banasthali Vidyapith in 2017. He holds M.Tech. degree in Electronics and Communication Engineering from Visvesvaraya Technological University (VTU), Karnataka (2007). He also holds Bachelor of Engineering (B.E.) degree from Mangalore University, Karnataka which he completed in the year 2000 with specialization Electronics and Communication Engineering. He has more than 15 years of experience in Research/Teaching/Administration field. He has guided/guiding 6 Ph.D. scholars (Completed: 2 student, On-going: 4 students).

The webinar covers the following aspects:

1. ENDNOTE
2. ORIGIN

ENDNOTE: EndNote is a commercial reference management software package, used to manage bibliographies and references when writing essays and articles. It is produced by Clarivate Analytics.
Academics who are working on research papers need tools to manage their references. Students also need these tools, as they work on theses and assignments. Researchers and librarians who sort through complex subjects also need assistance when compiling, cross-referencing, and evaluating loads of information, as do scholarly and technical writers who meticulously research and cite their sources. That's where EndNote comes in! EndNote is a reference management software package that has four main functions:
1. It finds the research you are looking for using built-in search tools;
2. It stores and organizes references;
3. It creates bibliographies and citations with a few mouse clicks;

ORIGIN: Origin is a proprietary computer program for interactive scientific graphing and data analysis. It is produced by OriginLab Corporation, and runs on Microsoft Windows. Also, Origin is the data analysis and graphing software of choice for over half a million scientists and engineers in commercial industries, academia, and government laboratories worldwide. Origin offers an easy-to-use interface for beginners, combined with the ability to perform advanced customization as one become more familiar with the application.

The program was conducted for PG students & faculty from School of ECE and around 50 participants have witnessed this webinar.

The contact details of a resource person is as follows:

Dr. Manish Sharma
Professor – Research
Chitkara University, Punjab, India
Mob. No. 7838566174
Mail ID: manishengineer1978@gmail.com

EVENTS

16 Oct 2019

Back

One Day Seminar On Intellectual Property Rights

Resource person : Madam Arshiya Ambreen UIIC, REVA University

A one day seminar was conducted on the intellectual property rights on 16/10/2019 at REVA University, School of Civil Engineering, for PG students, CASE-1, CTM and TEM students. Where the advocates Arshiya Ambreen elaborately explained about the terms and complete information of intellectual Property Rights, Regarding Patents, Copy rights etc. The student's interaction was good on the above seminar and they got the enough knowledge regarding intellectual property rights what is required for the current industry standards. A total of 57 students and 5 Faculty members were also present for this seminar.

Why REVA
Careers
Happenings
Contact
Alumni
Library E-Resources
Login
Other
Sitemap
Blog
Fee Payment
Akshara
REVA University
Notices
Call
Chat
Type your message
Admissions

01 / Jun 2023

Determination of phenolics and organic acid in fruit by HPLC

18 / May 2023

The Potential of AI in Teaching and Learning

15 / May 2023

Harmful Practices Related to Accusations of Witchcraft and Ritual Attacks: Challenges for Marginalized Groups

05 / May 2023

5TH INTERNATIONAL CONFERENCE ON ADVANCES IN COMPUTING & INFORMATION TECHNOLOGY (IACIT-2023)

03 / May 2023

REVA PROJECT EXPO -2023

27 / Apr 2023

Revothsava-2023

24 / Apr 2023

Free Dental, Skin and Hair Care Camp

18 / Apr 2023

REVA Kabaddi premier League season-2

17 / Apr 2023

Notices | Call | Chat | Admissions

REVA UNIVERSITY
Bengaluru, India

SCHOOL OF COMPUTING AND INFORMATION TECHNOLOGY

Report on "HACKFEST 2019"

48 Hours National Level Hackathon

Theme #1: IoT and Mobile Apps for Innovative Solutions to Global Warming

Theme #2: Mobile Apps / Web Apps for REVA University

Date: 2nd to 4th November 2019

The School of Computing and Information Technology with an aim of encouraging and providing a platform for students to show case their talents and innovative ideas in developing Projects through Coding and using Latest Technologies, took an initiative to conduct Hackathon from the year 2016 onwards, with inspiration from Google's #HashCode.

The School of Computing and Information Technology organized its fifth edition of Hackathon "HACKFEST 2019", a 48 Hours National Level Hackathon with the themes: Theme #1: *IoT and Mobile Apps for Innovative Solutions to Global Warming* and Theme #2: *Mobile Apps / Web Apps for REVA University* on 2nd to 4th November 2019.

19 Teams comprising of 75 students were registered for 48 hours Hackathon.

Student Teams participated were from:

- REVA University, Bengaluru (**14 Teams**)
- East Point College of Engineering and Technology, Bengaluru (**1 Team**)
- Vidya Vikas Institute of Engineering and Technology, Mysuru (**2 Teams**)
- BGS Institute of Technology, Mandya (**1 Team**)
- SCMS School of Engineering, Ernakulam, Kerala (**1 Team**)

The event was inaugurated by the Chief Guest, Mr. Prashanth G. Bilagi, Sr. Principle Architect – Verizon, Bengaluru, accompanied with beloved Director – School of Computing and Information Technology, Dr. Sunilkumar S. Manvi, HACKFEST 2019 Organizing Committee, Faculty members and Participants.

After the inaugural function, participants in teams started with coding based on the theme selected by them on 2nd November, 2019 (Day 1) and it was ended around 12:30 PM on 4th November, 2019 (Day 3). There were total of Four Evaluation Stages.

Based on the standard Hackathon Judging criteria, First Evaluation was done by Internal Judges from Faculty Members – School of C & IT on Day 1. Second and Third Evaluation were done on Day 2.

Also, there were Mentoring sessions from REVA Alumni students: Mr. Akash James, Mr. Sai Somanath, Mr. Ujwal P. and Mr. Mohit Kumar on Day 1 and Day 2.

The Fourth / Final Evaluation was done by four External Judges from 10:00 AM to 12:30 PM on Day 3.

Details of Final Evaluation Judges:

1. Mr. Abhas Abhinav
   Founder
   DeepRoot GNU/Linux, Bengaluru.

2. Mr. Kshitij Karthick
   Python Backend Engineer
   Zalando SE, Berlin, Germany.

3. Mr. Akash James
   IoT and ML Engineer
   Integration Wizard Solutions, Bengaluru.

4. Mr. Sai Somanath
   REVA Alumni
   PG Student – Central University of Hyderabad

Also, Internship drive was conducted from the company: Integration Wizard Solutions on Day 2.

Details of Delegate from Integration Wizard Solutions:

Mr. Akash James
IoT and ML Engineer
Integration Wizard Solutions, Bengaluru.

HACKFEST 2019 concluded with valedictory function in presence of our beloved Director, Dr. Sunilkumar S. Manvi, accompanied with Final Evaluation Judges and HACKFEST 2019 Organizing Committee, Faculty members and Participants.

List of Winners of HACKFEST 2019:

Under Theme #1: *IoT and Mobile Apps for Innovative Solutions to Global Warming*

Name of Group Members	College/University	Problem Statement Selected	Title of the Project	Position secured
Tejas K L	REVA University, Bengaluru.	To create sustainable solutions to scarcity of water, wastewater, storage of water	State-of-the-art Water-Flow Management System	FIRST
V Vijay Krishnan				
Vishrutha K S				
Utkarsh Yadav				
First Prize: Rs. 20,000/- worth Gift-Voucher from Amazon				

Shubham Baid Jalay Rupera Gokul Dev	REVA University, Bengaluru.	Solution for Ocean Temperature Rise and Marine Animal Death	Detection of whales on the ocean surface through drones to predict the algal bloom present in the oceans using the whale snot samples	SECOND
Second Prize: Rs. 10,000/- worth Gift-Voucher from Amazon				
Shivendra Saurav Sahil Chachra Santosh D Kolur Resham Sundar Suhani Jain	REVA University, Bengaluru.	How do we make waste management more sustainable?	Smart Waste Management System using Smart Dust Bins	THIRD
Third Prize: Rs. 5,000/- worth Gift-Voucher from Amazon				

Under Theme #2: *Mobile Apps / Web Apps for REVA University*

Name of Group Members	College/University	Problem Statement Selected	Title of the Project	Position secured
Anurag Sharan Aman Srivastava Ankit Kumar Jaiswal Adarsh A. Nair Aniketh V. Hotagi	REVA University, Bengaluru.	App for Posting Events along with registrations	Event Management App for REVA University	FIRST
First Prize: Rs. 10,000/- worth Gift-Voucher from Amazon				
Kanishk Vijaywargiya Shreyada Kolhapur Manjunath S Kemali	REVA University, Bengaluru.	App for Budget Approvals	Budget Approval System	SECOND
Second Prize: Rs. 5,000/- worth Gift-Voucher from Amazon				

HACKFEST 2019 Organizing Committee:

Prof. G C Sathish

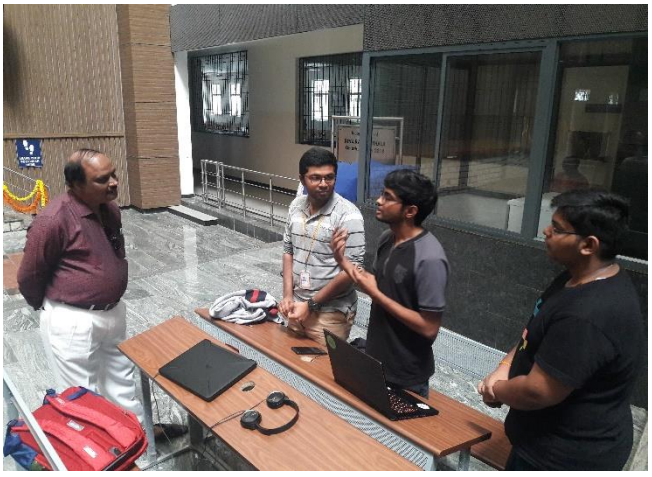
Prof. Kiran M

Prof. Lithin K

Prof. Naveen Chandra Gowda

Some snapshots of the **HACKFEST 2019 - A 48 Hours National Level Hackathon** are provided below:

Chief Guest: Mr. Prashanth G. Bilagi



Mr. Kshitij Karthick & Mr. Sai Somanath

Mr. Abhas Abhinav & Mr. Akash James

Theme #1: 1st Prize - REVA University

Theme #1: 2nd Prize - REVA University

Theme #1: 3rd Prize - REVA University

Theme #2: 1st Prize - REVA University

Theme #2: 2nd Prize - REVA University

REVA UNIVERSITY
Bengaluru, India

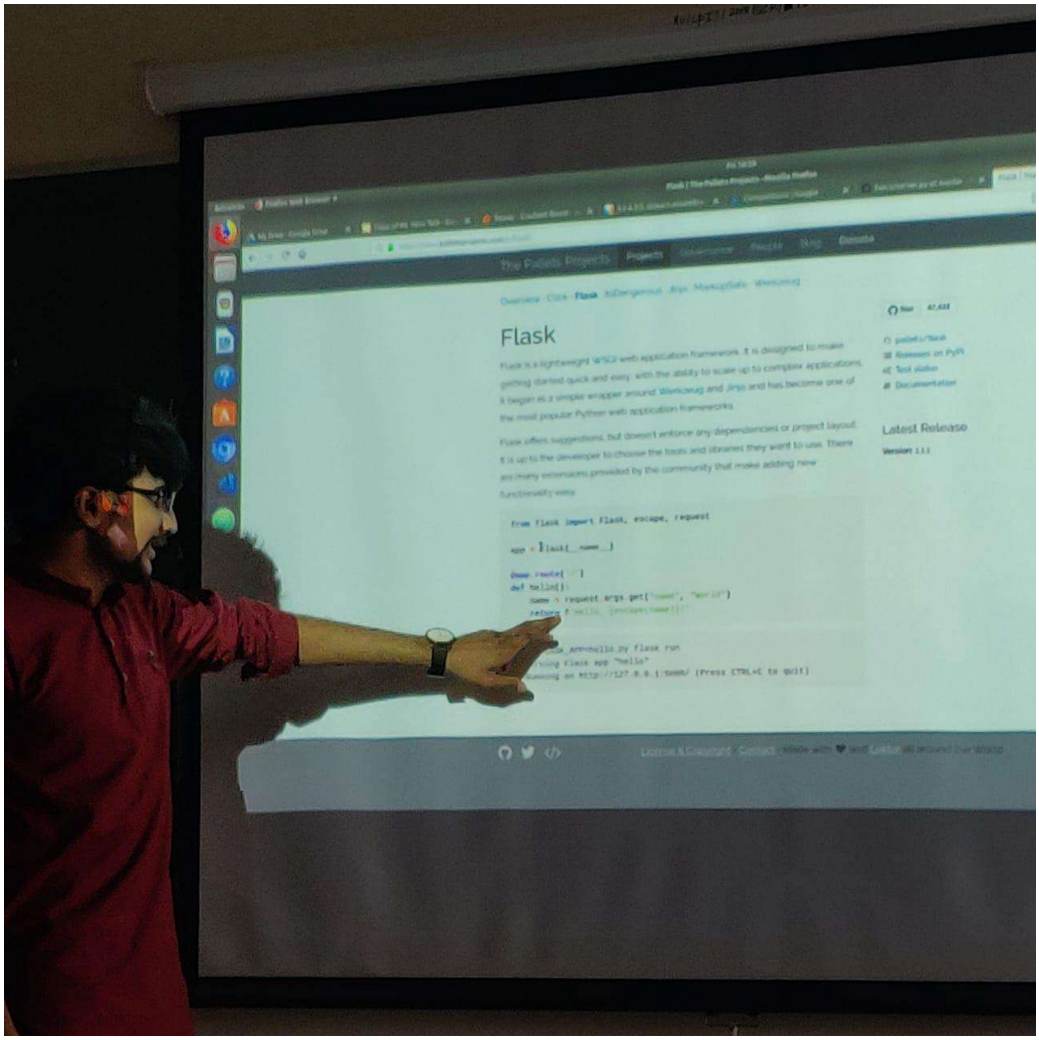
SDP on "Machine Learning using Python"

About the SDP	One day Student Development Programme on "Machine Learning using Python".
Organized By	Computational Intelligence club in association with School of Computing and Information Technology
Date of SDP	8th November 2019 Timings : 8:45AM to 3:30PM
SDP Objectives	The objectives of the SDP were to, Help students to take up projects in the areas of 1. Introduce Machine learning to the audience 2. Explore few machine learning techniques to solve problems 3. Implement few machine learning algorithms using python
SDP Outcomes	On completion of hands on the students will be able to, 1. Build real time projects using machine learning techniques. (i.e to devise learning algorithms that do the learning automatically without human intervention). 2. Appreciate the underlying mathematical relationships within and across machine learning algorithms and the paradigms of supervised and unsupervised learning.
Resource Persons	Kshitij Karthik, Research Engineer, Zalando – Berlin, Germany(Also Alumni of REVA ITM)
Participants	63 students from School of Computing & Information Technology.
Faculty Coordinators	Dr. Udaya Rani, Prof. Sarvamangala D R, Prof. Rashmi C, Prof. Anooja Ali

Schedule:

S.NO	Schedule	Content
Resource Person: Kshitij Karthick		
1	9:00AM -10:30AM	1. Introduction to machine learning and various packages 2. Downloading data sets from various sources like Kaggle.
2	10:50AM -12:30PM	• Hands on session on Regression and Classification using python **a)** Decision tree **b)** Data Visualization **c)** Gradient Boosting.
3	1:30- 3:30 PM	1. Ensemble methods such as bagging and boosting. 2. Flask framework for building web applications using python 3. Challenges and Applications on machine learning

Photos:



Club Coordinators:

Dr. Udaya Rani
Prof. Sarvamangala D R
Prof. Rashmi C
Prof. Anooja Ali
Prof. Lalitha L A

Director

Dr. Sunilkumar S. Manvi
School of C&IT
REVA University

SKILL DEVELOPMENT PROGRAM Organized by School of COMPUTING & INFORMATION TECHNOLOGY **A Brief Report**	
About the Event	The School of Computing & Information Technology organized Skill development program for all the first sem students from 11/9/2019 to 14/9/2019
Organized By	School of Computing & Information Technology
Date of Workshop	11th September 2019 to 14th September 2019
Coordinators	Prof. Ashwin Kumar Prof. Tanuja K Prof. Vani K Prof. Chaitra B
Targeted Audience	First Sem Students of both CSE & CSIT, REVA University
Programs offered	Python Programming, Ethical Hacking, HTML5 & CSS and Graphics using blenders.
No. of Participants	584 students participated.
Feedback from Participants	All the participants expressed their satisfaction about the delivery of content to and appreciated all the courses that was offered to them. The Students also expressed that they want to learn all the new technologies in the SDP program in upcoming semesters. The students are happy about the SDP been included in their academics as credit based learning.

Description:

The School of C & IT had organized 4 days Skill Development Programs for First semester Students of both CSE and CSIT branch between 11th September, 2019 to 14th September, 2019. The SDP went on for all 4 days from morning 8:30 AM to 4:30 PM. Around 612 students actively participated in the programs and learnt all the courses enthusiastically.

Following are the outcomes achieved with this technical talk:

1. Students who had opted **Ethical hacking** and **Python programming** were given a global certification exam.
2. Students who had opted **HTML5** and **Graphics Using blenders** were given projects to work on and submit it to the trainers.
3. 102 students successfully cleared the Python global certification exam.
4. 106 students successfully cleared the Ethical Hacking global certification exam.

The trainers for all the programs were well versed in respective domains and were in association with UIIC, starcertification, Monkfox, thevalleyBootcamp.

Photographs:

Program1: Python

Program2: HTML5 & CSS

Program 3: Graphics using blenders

Program 4: Ethical Hacking

REVA UNIVERSITY
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Career Opportunities in DBMS A Brief Report		
About the Seminar	The School of Computing and Information Technology organized seminar on " Career Opportunities in DBMS " to all CSE Students.	
Organized By	School of Computing and Information Technology in association with Database Club	
Date of Seminar	19th November 2019	
Coordinators/ Organizing Committee	Dr. Parathasarathy .G Prof. Tanuja K	
Student Volunteers & Attenders	**Attenders** Mr. Vetrivel	**Student Volunteers** Mr. Yousuf
Targeted Audience	3rd semester CSE students, REVA University	
Resource Person(s)	Mr. Ravindra Chanti Gantasala ,ORACLE	
Program Conducted	Career Opportunities in DBMS	
No. of Students Participated	54	
Feedback from Students	All the students expressed their view that they are very much happy and satisfied with the seminar and suggested to have few more of these kind of Seminar which will help them in academics for taking up of global certifications and make career in DB of their own interest and also for placements	

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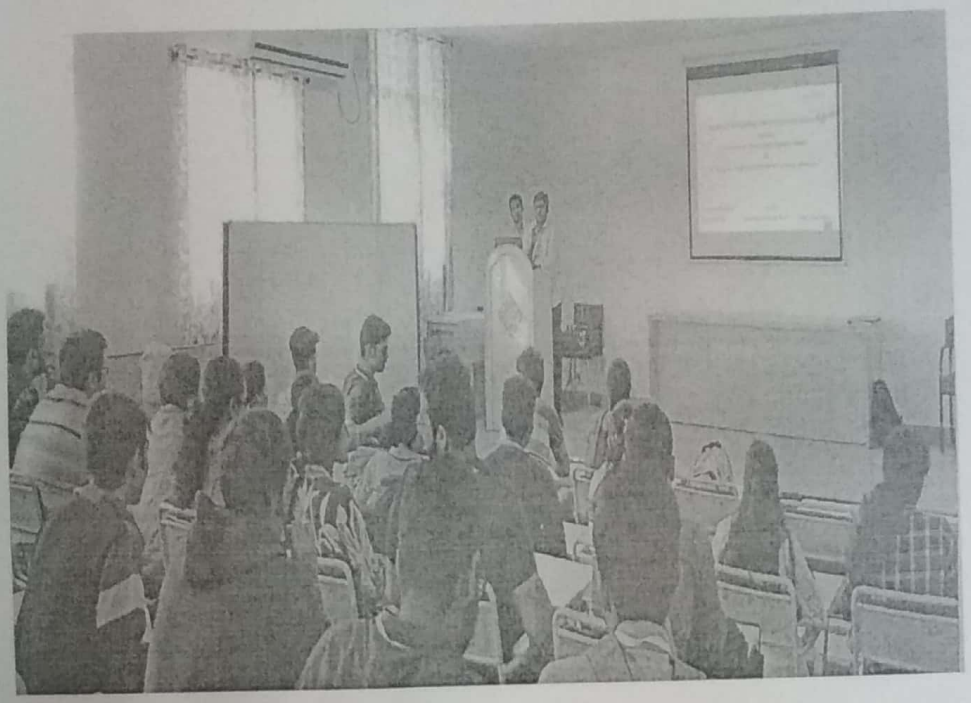

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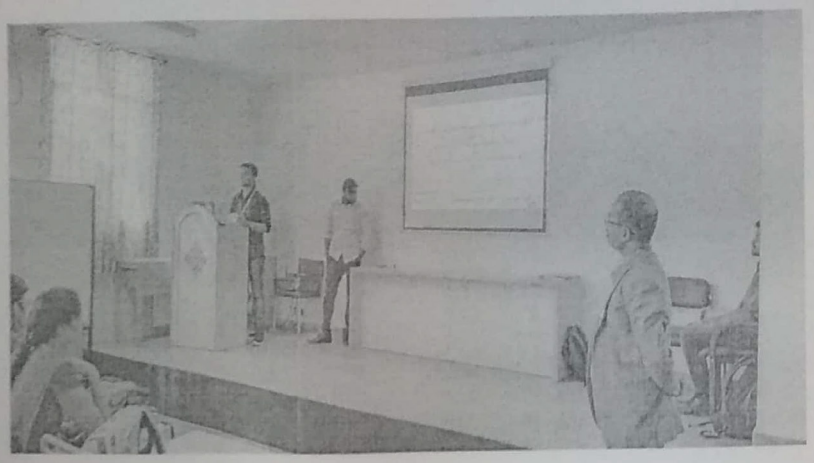

Director
School of C & IT

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REVA UNIVERSITY
Bengaluru, India

SCHOOL OF COMPUTING AND INFORMATION TECHNOLOGY

Report on "GOOGLE CLOUD CAREER READINESS PROGRAM"

Organized by

Developer Student Club and Hackathon Club

Date: 19th August 2019

Developer Student Club and Hackathon Club from School of Computing and Information Technology took an initiative to organize *"Google Cloud Career Readiness Program"*, A Certification Program on "Google Cloud Platform (GCP)" to encourage the students to get expertise in – end to end cloud infrastructure management, across the public and private clouds.

Date: Monday, 19th August 2019
Timing: 8:30 AM to 4:30 PM
Venue: F1 & F2 Labs, 1st Floor, Swami Vivekananda Block

Total of 73 students, including faculty members were participated in *"Google Cloud Career Readiness Program"*.

The program details are mentioned below:

Started with:

- **Introduction to GCP:**

  End to end cloud infrastructure management, across the public and private clouds. GCP provides Infrastructure as a service, Platform as a service, and Serverless computing environments.

Followed by:

- **GCP Essentials (with Hands-on Labs):**

  In this introductory-level quest, you will get hands-on practice with the Google Cloud Platform's fundamental tools and services. GCP Essentials is the recommended first Quest for the Google Cloud learner – you will come in with little or no prior cloud knowledge and come out with practical experience that you can apply to your first GCP project.

Quest Outline:

- A Tour of Qwiklabs and the Google Cloud Platform
- Creating a Virtual Machine
- Getting Started with Cloud Shell & gcloud
- Set Up Network and HTTP Load Balancers
- Kubernetes Engine: Qwik Start

Details of Resource Person(s):

1. Nidhi Shrimali
   Associate Cloud Engineer
   Google Cloud Platform, Pune.

2. Ganesh Pawar
   Associate Cloud Engineer
   Google Cloud Platform, Pune.

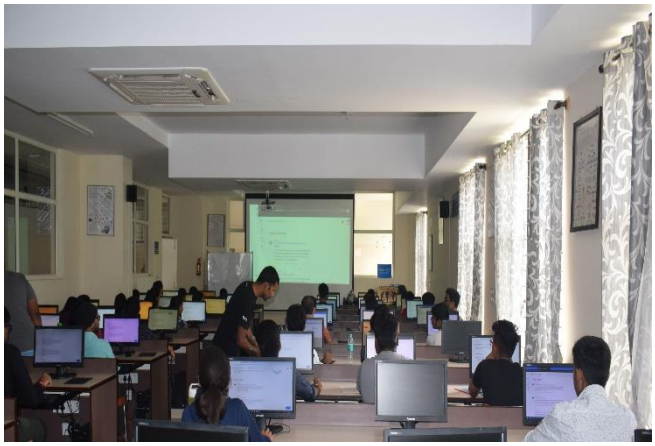
Also, entire program was well-coordinated by Mr. Mathang Seshagiri from Google.

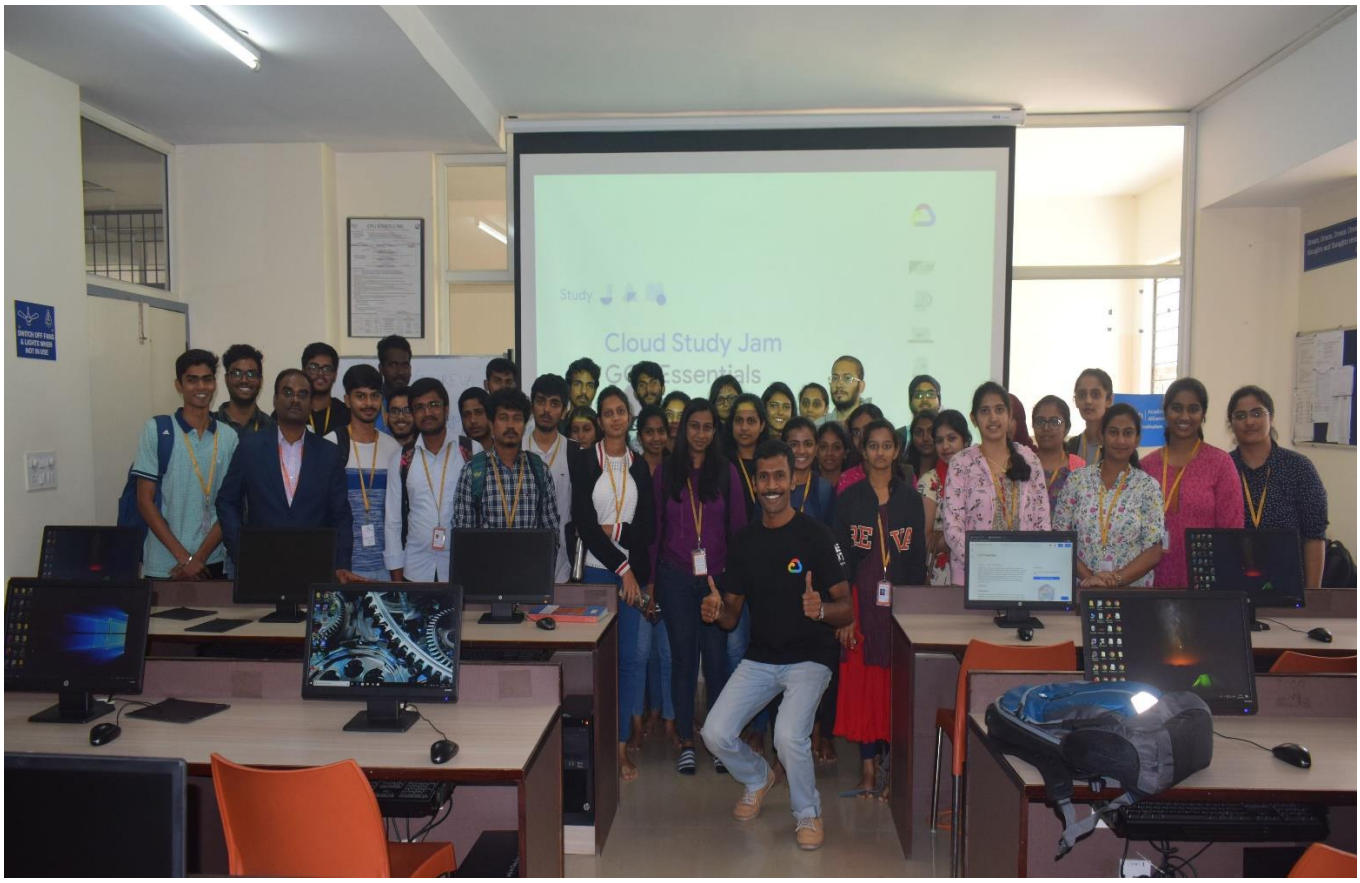
Next activity for participants is to get Course Completion Certificates from **Coursera** and **Qwiklabs** and finally getting the **Associate Cloud Engineer** Certification – Architecting with Google Cloud Platform (GCP).

Some snapshots of "**Google Cloud Career Readiness Program"** are provided below:

Google Cloud

Career Readiness Program





Director

School of C & IT

REVA UNIVERSITY
Bengaluru, India

SCHOOL OF COMPUTING AND INFORMATION TECHNOLOGY

Talk on "Higher Studies Opportunities in Data Science at Ulster University, UK" for Faculty/ B.Tech Students	
About the Workshop	The School of Computing and Information Technology organised a talk on "**Higher Studies Opportunities in Data Science at Ulster University, UK**"
Organized By	School of Computing and Information Technology
Date of Workshop	20th November, 2019
Coordinators/ Organizing Committee	1. Prof. Shantala Devi Patil 2. Prof. Bhulaxmi
Targeted Audience	B.Tech all year C& IT and MCA(CSA) students of REVA University
Resource Person(s)	1. **Dr. Bryan Gardiner,** **Course leader fir MSc Data Science,** **Ulster University, UK**
No. of Students Participated	**80**
No. of Faculty Participated	**2**
Feedback from Students	All the students/Faculty expressed their view that they are very much happy and satisfied with the talk

Talk Content:

Data Science is a rapidly developing field of study within both academia and industry. Its interdisciplinary nature ensures its wide application domain. This MSc Data Science aims to prepare students for a successful career as a data scientist or business analyst working in any profession where large amounts of data is collected, hence there is a need for skills in data acquisition, information extraction, aggregation and representation, data analysis, knowledge extraction and explanation. These type of skills are typically in high demand in IT business, security and health sectors, intelligent transport, energy efficiency and the creative industries.

More generally data and analytics capabilities have developed rapidly in recent years. The volume of available data has grown exponentially, more sophisticated algorithms have been developed, and computational power and storage have steadily improved. Most companies, however, are not capturing the full potential value from data and analytics because they do not have the required expertise. Consequently, the MSc Data Science aims to address these challenges by providing a firm grounding in the core disciplines of data analytics and information processing, partnered with a broad appreciation of aspects of other disciplines where data science can form natural synergistic relationships.

Learning Objectives

At the conclusion of the talk, you will have an understanding the significance of Data Science and Higher Opportunities abroad.

Career Opportunities in Data Science

● The key message from employability and work-related learning initiatives is that enhancing opportunities to develop work-related learning and employability enhances the learning of the subject being studied. We understand the importance of including real industrial and commercial contexts to our student's experience, so this MSc Data Science will pursue opportunities for industrially linked teaching material and student project work. In this regard, we will utilise our business and industry links to facilitate an industrially relevant student project. Such projects create valuable experiences for the student, and additionally, they can also help to build new and ongoing collaborations with departments and companies, with the potential to tap into funding streams designed for industry-academic research and development.

A recent statement from Ulster University's Careers Office indicates that Data analysts are in high demand across all sectors, such as finance, consulting, manufacturing, pharmaceuticals, government, and education. Data analysts can work in large companies such as the 'big four' consultancies or financial services firms, or consumer retail firms, small and medium sized businesses such as marketing agencies' or the public sector.

Program Schedule

S.NO	Schedule	Content
Resource Person : **Dr. Bryan Gardiner, Course leader fir MSc Data Science, Ulster University, UK**		
1	11:00-11:15AM	Inauguration
2	11:15-12.30 PM	**Introduction to career opportunities at Ulster University, UK**

Some snapshots of the Workshop:

REVA UNIVERSITY

A Talk

ON

Higher Studies Opportunities in Data Science at Ulster University

20th Nov. 2019

Organized by

School of Computing and Information Technology

www.reva.edu.in

Venue: Basement Seminar Hall, Swami Vivekananda Block
Time: 11.00-12.30 PM

Director
School of C & IT

School of Computing and Information Technology and REVA University CSI Student Chapter

EventReport: CSI Distinguished Lecture on "Cryptographic Algorithms"

Respected All,

The School of CIT and the REVA University CSI Students' Chapter organized a CSI Distinguished Talk on the topic "Cryptographic Algorithms" by Dr. P. V. Ananda Mohan, Technology Adviser, CDAC Bangalore on 20th Sept. 2019 at 3.00 pm.

The speaker explained various approaches to data security implemented using various algorithms and also spoke about the upcoming research issues and algorithms in the field of data security.

Around 70 students and 15 faculty members were benefited by the talk. A few pics of the event are given here:

References
Bruce Schneier book
William Stallings

Light weight Cryptography
• Targets constrained environments.
• Tries to reduce the computational efforts needed to obtain security.
Optimization targets: size, power, energy,
me, code size, RAM/ROM consumption,
Used in Motes, IoT devices

Report on GDG "DevFest Bangalore 2019"

(DevFests are the largest Google related events in the world!)

Organized by

Google Developers Group (GDG), Google Cloud Developer Community (GCDC) and Women TechMakers, Bangalore

Hosted at REVA University

Coordination from School of Computing and Information Technology

Date: 22nd September 2019

Google Developers Group (GDG), Google Cloud Developer Community (GCDC) and Women Techmakers, Bangalore organized the prestigious event GDG "DevFest Bangalore 2019" which is the biggest Google related event in Bangalore by GDG community. Google Developer Group DevFests are the largest Google related events in the world!

DevFest was organized for the First Time in Academic Institution, and it was hosted at REVA University on Sunday, 22nd September 2019.

The event took place on 21st and 22nd September 2019 with an overall turnout of 1500 registered participants on each day.

Event Sponsors: Bounce and Elastic; Event Management: Kestone

Startup Connect: Continual Engine, Winuall, Jovian, 23ML, Openapp and Goto The Change

Day 1:

Date: Saturday, 21st September 2019
Venue: Infosys Limited, Gate 10, Building 12, Phase I, Electronic City, Hosur Road, Bengaluru.
No. of Speakers: 20+ speakers

Day 2:

Date: Sunday, 22nd September 2019
Venue: REVA University, Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru.
No. of Speakers: 25+ speakers

About DevFests

Google Developer Group DevFests are the largest Google related events in the world! Each DevFest is carefully crafted for you by your local GDG community to bring in awesome speakers from all over the world, great topics, and lots fun!

DevFests are community-led, developer events hosted by GDG chapters around the globe focused on community building and learning about Google's technologies. Each DevFest is inspired by and uniquely tailored to the needs of the developer community and region that hosts it.

About GDG Bangalore

To put it in a nutshell, GDG stands for Google Developer Group and GDG Bangalore it is a community where programmers meet to discuss and work with several Google developer resources and products.

About Women Techmakers

Google's Women Techmakers program provides visibility, technical skills and resources for women in technology. It is a community that celebrates diversity in the technology space.

About GCDC Bangalore

Google Cloud Developer Community (GCDC) Bangalore is a passionate community of Google Cloud Infrastructure Engineers, Architects, generic users, technology evangelists.

The DevFest Bangalore 2019 event details are mentioned below:

Day 1 was designed for professionals with industry experience. Sessions were engaged that will give you an insight on what's happening new in the Google Developer Ecosystem.

Day 2 was specially designed for students & freshers. Sessions/talks were engaged that will help you onboard with latest Google Technologies. Also, to connect with Startups & experts.

This year's DevFest was a gala for the developer community, it consisted of activities catering to the professional and the lateral crowd.

Included:

- Speaker Sessions
- Workshops
- Panel Discussions
- Startup - Connect session

For more details, please visit to the website: https://devfest-bglr-19.firebaseapp.com/

Detail information of DevFest Bangalore 2019 at REVA University are provided below:

Time	Agenda			
08:00 AM - 08:45 AM	Check in and Registration			
08:45 AM - 09:15 AM	Keynote by Nikhil Raichur (DevRel Google)			
09:15 AM - 09:40 AM	Keynote by S. Mishra (Google)			
09:45 AM - 10:25 AM	AI & ML behind Google Crowdsource - Bhaarat Chetty	Cyber Intelligence: When Security meets AI By - Charmi Chokshi	Securing Google Cloud By - Lalit Rawat	Migrating from Imperative to React-Style Programming with Flutter By - Mayur Dhurpate
10:25 AM - 11:10 AM	Google Crowdsource- Shraddha Gangwar & Nikhil Jha	Onboarding Open Source By - Bhavani Ravi	Google Cloud AI, Deep Dive By - Vasudev M	Quicken your cloud journey with Qwiklabs By - Shashank Barki
11:10 AM - 11:35 AM	Tea/Refreshments & Networking			
11:35 AM - 12:20 PM		CICD for webapps on Firebase with CircleCI By - Thiyagaraj T	Interpretable Machine Learning By - Aiswarya Ramachandran	Building Adaptive UX with Machine Learning By - Shuvam Manna
12:20 PM - 01:00 PM		How to build a Startup being a College student By - Ashwini Purohit	Building an Image Target Vuforia (AR) - K. Arun Ganessh	Novice to ML researcher with Fast ai By - Bhuvana K A
01:00 PM - 02:00 PM	Lunch & Networking			
02:00 PM - 02:40 PM		State Management for Dummies By -Pooja B	DL-on-the-Edge By - Indranil Dhanu Chandra	Modern Designer: A culmination of developer, designer and manager By - Samarth Nayyar
02:40 PM - 3:15 PM		Let's bond with Android Jetpack's Data Binding By - Aayushma Agrawal	Leveraging App Actions to extend your Android app to Google Assistant By - Monika Kumar Jethani	Lifting Up: Using Deep Learning to implement anti-poverty programs By - Usha Rengaraju
03:15 PM - 03:30 PM	Tea/Refreshments & Networking			
03:30 PM - 04:15 PM		Pre-processing is indispensable By - Rakshit Pratap Singh, Pranshu Agrawal	Doing Background Tasks the Right Way By - Subhrajyoti Sen	Distributed Ledger Technology and Ethereum By - Dibyo Majumder
04:15 PM - 04:50 PM		What is Success - the trending technology or happy customers By - Leena S N	Serving scalable machine learning models in production By - Ranjeet Kumar	Voice and Vernacular | Building for Bharat By - Akanshi Srivastava
04:50 PM - 05:25 PM	James Ward Session (from Google)			
05:30 PM - 06:00 PM	Closing Note Lakshya S (DevRel Google)			

Details of Speakers:

Sl. No.	Name of the Speaker	Details
1	Nikhil Raichur	Community Manager @Google, Former Google Student Ambassador India
2	Ashwini Purohit	CEO, Winuall, Entrepreneur, Developer, Passionate about startups
3	Pooja Bhaumik	Google Developer Expert (Flutter) & Sr. Engineer at Bounce
4	Thiyagaraj T	Building frontend tech at kubric.io. I love drawing on Codepen. FOSSASIA Google Code-in Mentor 2017 & 2018, Creator of redux-knob
5	Bhavani Ravi	Oss Contributor; Wtm ambassador Chennai
6	Vasudev Maduri	Hitachi Consulting, Technology Enthusiast, Machine Learning Developer
7	Charmi Chokshi	Machine Learning Engineer at Shipmnts.com
8	Lalit Rawat	DXC Technology, author, Blogger and trainer in various cloud technology
9	Subhrajyoti Sen	smallcase, Mobile Developer with a passion for Open Source
10	Samarth Nayyar	Vellore Institute of Technology, Designer, Developer, Animator
11	Shashank Barki	Manhattan Associates, Hybrid cloud implementation and Automation with expertise in GCP and AWS. Implementing machine learning and data analytics
12	Shuvam Manna	Developer Student Club - HIT; GDG Kolkata
13	Mayur Dhurpate	IIT BHU Alumnus. Startup Co-founder - iMumz. Web & Mobile Tech Enthusiast
14	Usha Rengaraju	Mysuru Consulting Group, Data Scientist who is passionate about Neuroscience and Behavioral Psychology
15	Dibyo Majumder	RNSIT Bangalore, Building for the Web 3.0
16	Akanshi Srivastava	Slang Labs, Android and UI/UX Developer
17	Indranil Dhanu Chandra	Software Innovator @ Intel; ML Engineer @ Aditya Birla Finance Ltd.
18	Leena S N	Co-founder/CTO/Programmer @ Good Karma
19	Ranjeet Kumar	Continual Engine
20	Aiswarya Ramachandran	Senior Data Analyst at Cerner with strong foundations in Machine Learning and Artificial Intelligence.
21	Bhuvana Kundumani	Saama Technologies, Edtech entrepreneur (6 years) turned ML Researcher
22	K. Arun Ganessh	Gridraster, Creative Nerd
23	Aayushma Agrawal	Lenskart
24	Monika Kumar Jethani	Android developer at PwC
25	Rakshit Pratap Singh	Continual Engine
26	Pranshu Agrawal	Continual Engine

Entire event was well-coordinated by DevFest Bangalore 2019 Coordination Team from School of Computing and Information Technology, REVA University

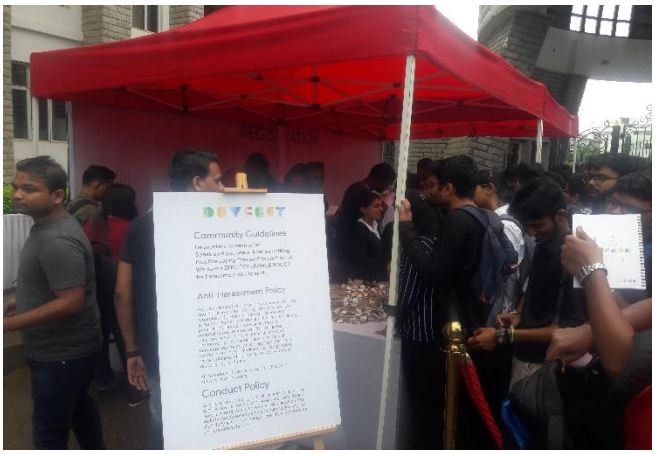
Prof. G C Sathish

Prof. Kiran M

Mr. Vijay Bhargav Reddy - DSC Lead from REVA

Students from Developer Students Club (dscreva)

Some snapshots of "**DevFest Bangalore 2019"** are provided below:



No Entry
For Vehicles

REVA RANGASTHALA

Director

School of C & IT

REVA UNIVERSITY
Bengaluru, India

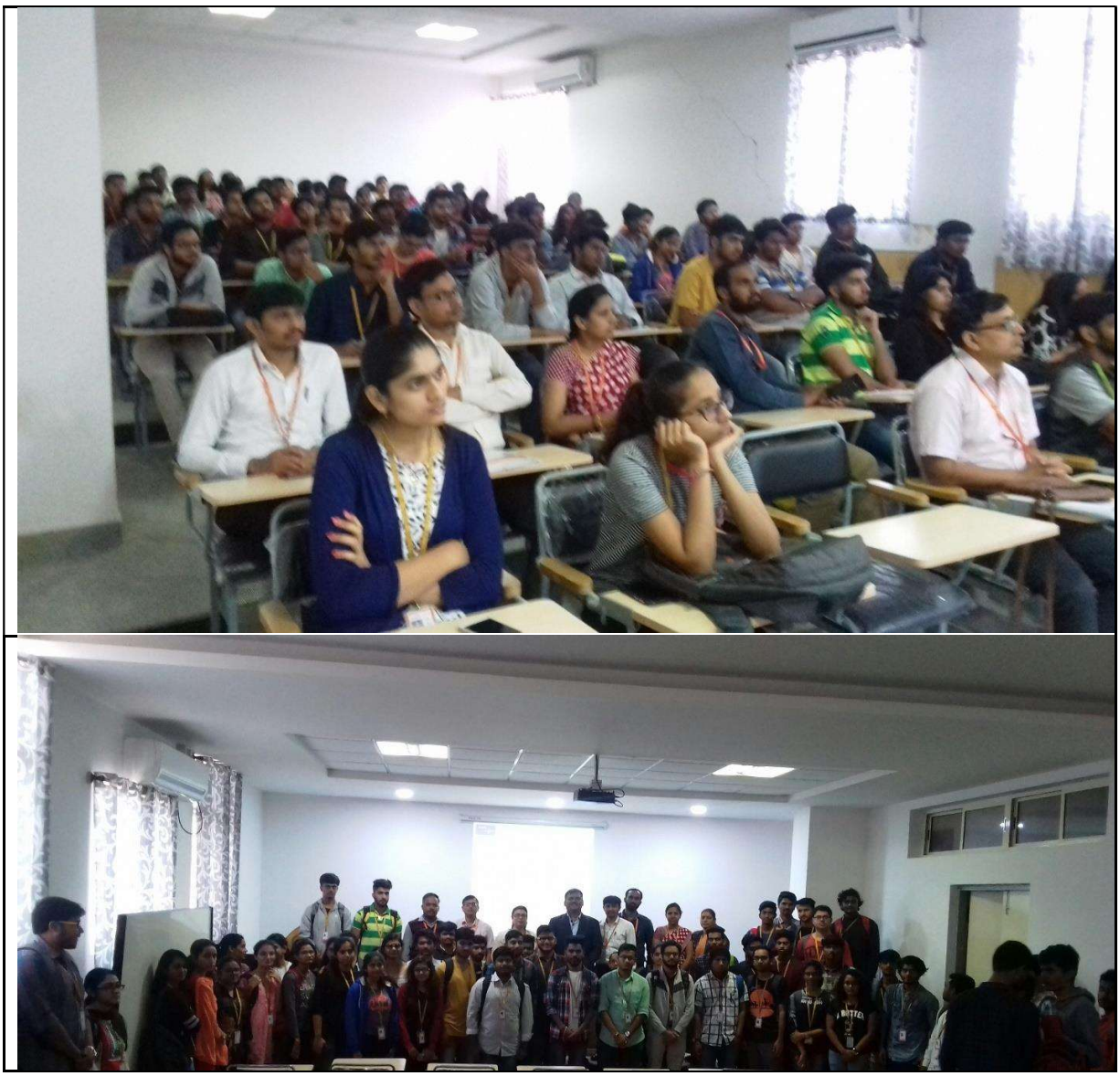
REVA CIT: Event Report on APSIPA Distinguished Talk

25th Jan 2019

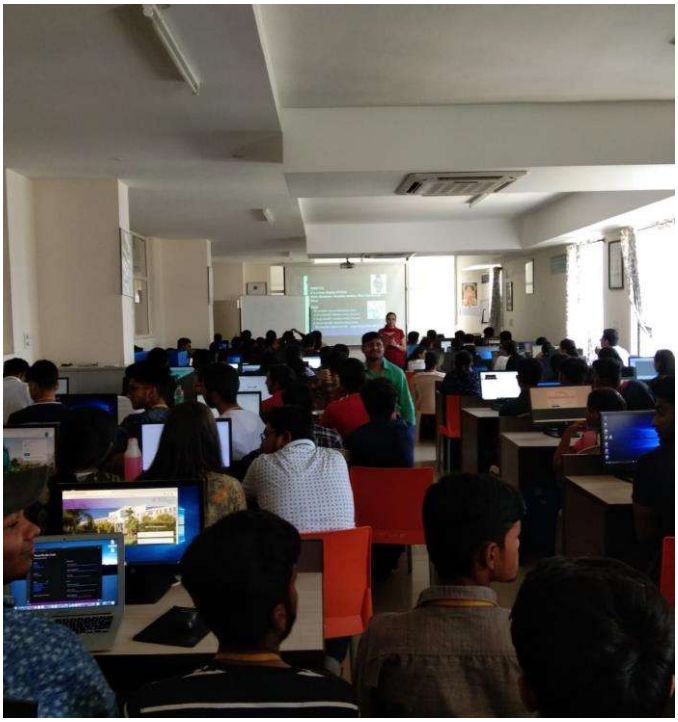
The School of CIT organized an APSIPA Distinguished talk on the topic "Spoofing Attacks in Automatic Speaker Verification : Analysis and Counter Measures" by Dr. Hemant Patil, Professor, DA-IICT, Gandhinagar, Gujarat on 25th Jan 2019 between 9.30 am and 11.00 am.

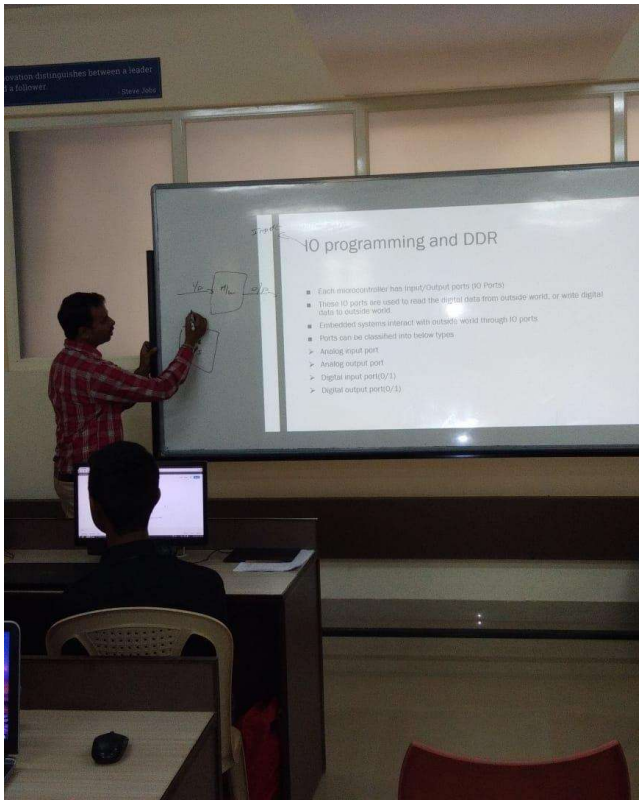
The speaker also shared the funded research projects being carried out by his research group and encouraged the students to work on important research problems as their project work. He also invited students to apply for internships in his research lab. The students found the talk quite interesting and informative.

A few pictures of the event:



Skill Development Program for RU 2nd Sem students A Brief Report		
About the SDPs	The School of Computing and Information Technology organized Skill Development Program for **2nd** Semester C & IT Students.	
Organized By	School of Computing and Information Technology in association with University Industry Interaction Centre (UIIC)	
Date of SDP	April 13th,14th ,20th and 21st of 2019 (Overall 4 days per each program)	
Coordinators/ Organizing Committee	Dr. Ashwin Kumar U M Prof. Tanuja K Prof. Ragavendra Reddy Prof. Asha K	
Instructors & Attenders	**Instructors** Mr. Ashwin Mr. Jayanth Mr. Keshav Mr. Palanivel Mr. Kamalesh Mrs. Manjushree Mr. Ravi kumar	**Attenders** Mrs. Lakshmi devi Mr. Punith Mr. Lohith Mr. Chandru Mr. Lakshmi Kanth
Targeted Audience	2th semester C&IT students, REVA University	
Resource Person(s)	Monkfox Team	
Programs Conducted	Embedded C using IOT	
No. of Students Participated	504	
Feedback from Students	All the students expressed their satisfaction with the SDP and suggested to have few more of these kind of SDPs for longer duration (1 week) which will help them in academics for doing mini/major projects of their own interest and also which help them to be ready for taking up Internships.	




IO programming and DDR
Each microcontroller has Input/Output ports (IO Ports)
These IO ports are used to read the digital data from outside world, or write digital data to outside world
Embedded systems interact with outside world through IO ports
Ports can be classified into below types
Analog input port
Analog output port
Digital input port(0/1)
Digital output port(0/1)

RESISTORS

Director
School of C & IT

School of Computing & Information Technology

Event Report: REVA ACM Student Chapter's CODE WARS V1.0

Date: 26th Feb. 2019

The REVA University ACM Student Chapter organized an Inter School Coding Competition - "Code Wars V1.0" on 26th Feb. 2019 in the Swami Vivekananda Block labs F1 and F2.

104 students from the Schools of CIT, CSA, ECE, EEE, Mechanical Engineering in form of 30 teams participated in the Coding Contest. The team "Eclipse" with following members was adjudged the winner:

1. Sahil Chachra R17CS350 4th Sem CIT
2. Suman KalyanGiri R17CS415 4th Sem CIT
3. ReshamSundar Kumar R17CS241 4th Sem CIT
4.Shubham Kumar Giri R17CS392 4th Sem CIT

The Contest was divided into three rounds-

1. Beat the Clock - Participants were expected to code the solution to 15 questions in 60 minutes. The winners were decided based on efficiency, correctness and exception handling capabilities of their solutions. Top 10 teams pass this round.
2. Capture the Point- The winners of first round, face a series of rapid questions and each correct answer fetches them a point. Top 5 teams pass this round.
3. Decipher the Code- The participants were given encrypted text to decipher the question. After deciphering the question they were expected to solve it in code. Top two teams are the final winners.

This competition saw an overwhelming participation from the students across the Schools. The entire process from planning the event, chalking out the logistics, setting questions, evaluating the solutions, arranging IT facilities was done meticulously well by our students from ACM Chapter and the School of CIT.

Following student members of the organizing team deserve a special applause for their effective management of the event-

1. AdarshAnand, Chair ACM Student Chapter, 4th Sem. CIT A section
2. Dishani, Vice Chair ACM Student Chapter, 4th Sem. CIT A section

3. AnubhavLaldas, Member ACM Student Chapter, 4th Sem. CIT A Section
4. Abhishek Panda, Member ACM Student Chapter, 4th Sem. CIT A Section
5. Shubham, 4th Sem. CIT, C Section
6. Saket, 4th Sem. CIT, F Section
7. Supriya, Treasurer ACM Student Chapter, 4th Sem. CIT A

As ever, we are thankful to our Director Sir, Dr. Sunilkumar S. Manvi, for his relentless support and guidance for successful conduction of the event and to faculty colleagues from the school for encouragement. Very special thanks to our lab instructors, Mr. Palnivel and Mrs. Suneetha G. S. for whole hearted technical support.

A few pics from the event:

REVA UNIVERSITY
Bengaluru, India

Skill Development Program on Coding for C & Data Structures A Brief Report		
About the SDPs	The School of Computing and Information Technology organized Skill Development Program for 6th Semester CSE Students.	
Organized By	School of Computing and Information Technology	
Date of SDP	27th, 28th April, 4th and 5th of May 2019	
Coordinators/ Organizing Committee	Dr. Ashwin Kumar U M Prof. Sailaja Thota Prof. Chaithra M H Prof. Manju More Prof. Chaithra N	
Instructors & Attenders	**Instructors** Mr. Venkata Naidu Mr. Ravikumar Mrs. Suneetha Miss. Shilpa	**Attenders** Mr. Anand Mr. Lakshmi Devi
Targeted Audience	6th semester CSE students, REVA University	
Resource Person(s)	1. Mr. Deepak 2. Mr. Virat 3. Mr. Roshan 4. Mr. Akash 5. Mr. Farhan Khan	
Program Conducted	Coding for C and Data Structures	
No. of Students Participated	479	
Feedback from Students	All the students expressed their satisfaction with the SDP and suggested to have few more of these kind of SDPs for longer duration (1 week) which will help them in academics for doing mini/major projects of their own interest and also which help them to be ready for taking up Internships.	
Content *Day 1*	*Arrays + Trees + Linked Lists + String + Stack + Queues*	

- Convert a given Binary Tree to Doubly Linked List(In-place) (Amazon 2016)
- Sort an array of 0's, 1's and 2's in single scan. (Amazon 2016)
- Given a linked list like 10->8->3->4->5->6 (Amazon 2016) modify it to
- 4->2->-1->4->5->6
- Given a string, find its first non-repeating character
- Given a number n and a pattern that follows (Amazon 2016)
- Given a Binary Tree, find vertical sum of the nodes that are in same vertical line. Print all sums through different vertical lines. (Amazon 2016)
- Find a pair with given sum in a Balanced BST
- Given a binary array and an integer M, find the position of zeroes flipping which creates maximum number of consecutive 1s in array
- K'th largest element in a stream
- Longest common subsequence (Both recursive and dp approach) (Amazon 2016)
- Box stacking Problem (Amazon 2016)
- Distinct palindromic sub-strings (Morgan Staley 2014)
- Next smallest palindrome (Goldman Sachs 2014)
- Given a number in form of array and number K you have to form largest number after swapping elements K times (Amazon 2016)
- There is a square matrix of order n which is filled from 1 to n^2 in row major. Find the Kth element in spiral traversal of the matrix. (Amazon 2016)

Day 2 Arrays+Trees+LinkedLists+String+Stack+Queues

- Implement stacks using queues and queue using stacks (DE Shaw 2015)
- Given an array with both negative and positive numbers, find the maximum sum contiguous sub-array. (Amazon 2016)
- For each node of a binary tree, you are given the node id and sum of the ids of its children. Find the node id of the root. (Amazon 2016)
- Topological Sorting in Graphs (Amazon 2016)
- Min *2 > Max (Amazon 2015)
- Kth smallest element in two sorted arrays
- Maximum number of 1s (DE Shaw 2014, Amazon 2016)
- Union and Intersection in arrays (Microsoft 2015)
- k largest(or smallest) elements in an array (Goldman Sachs 2014, Amazon 2015)
- All possible paths (Microsoft 2015)
- Given a linked list like 1->2->3->4->5->6->7->8 modify it to 1->8->2->7->3->6->4->5 (Amazon 2016)

Day 3 Arrays+Trees+LinkedLists+String+Stack+Queues

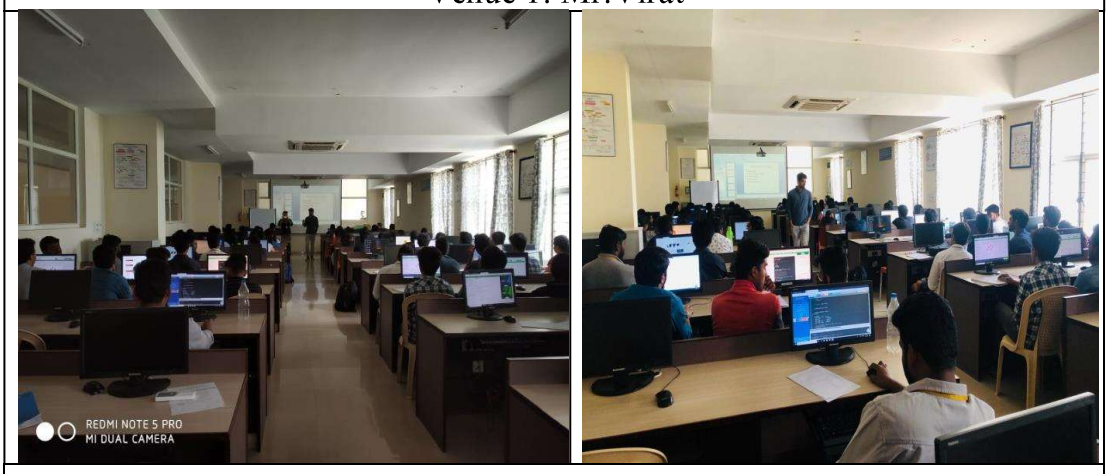
- Root to leaf path sum equal to a given number (Amazon 2016)
- Merge two sorted arrays with O(1) extra space (Amazon 2015)
- Print all nodes at distance k from a given node (Amazon 2015)
- Count number of binary strings without consecutive 1's (Microsoft 2016)
- Reverse a Linked List in groups of given size (Microsoft 2015)
- Sum of bit differences among all pairs (Google 2015)
- Maximum Sum Path in Two Arrays (Amazon 2015)

- Given a tree, connect all siblings (Iterative and recursive approaches)
- Given an array, just make the B-tree of order 3 (Amazon 2016)
- Diagonal view of a tree (Amazon 2016)
- Reverse words (Amazon 2014, 2016)
- Search an element (Microsoft 2014)
- 0s, 1s and 2s (Amazon 2014)

Day 4

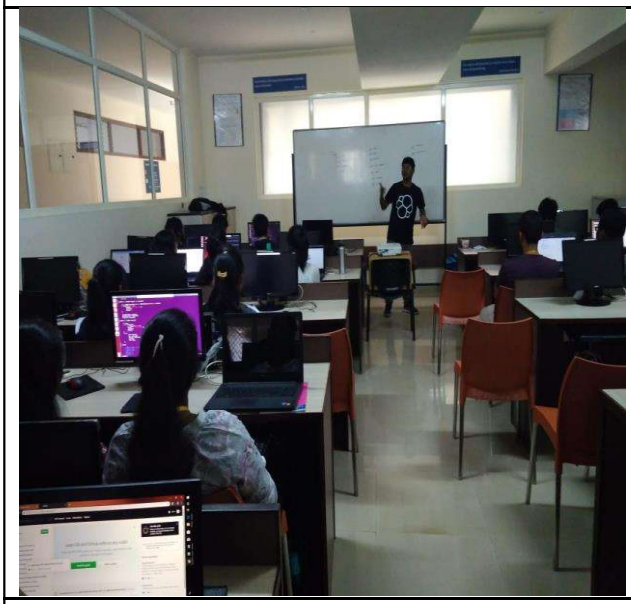
- Given an array check if the array can be a preorder traversal of a BST (Amazon 2016)
- Given an array, just make the B-tree of order 3 (Amazon 2016)
- Diagonal view of a tree (Amazon 2016)
- The stock span problem (Amazon 2015)
- Reverse words (Amazon 2014, 2016)
- Search an element (Microsoft 2014)
- 0s, 1s and 2s (Amazon 2014)
- Given an array check if the array can be a preorder traversal of a BST (Amazon 2016)

Venue 1: Mr.Virat



Venue 2: Mr. Farhan Khan

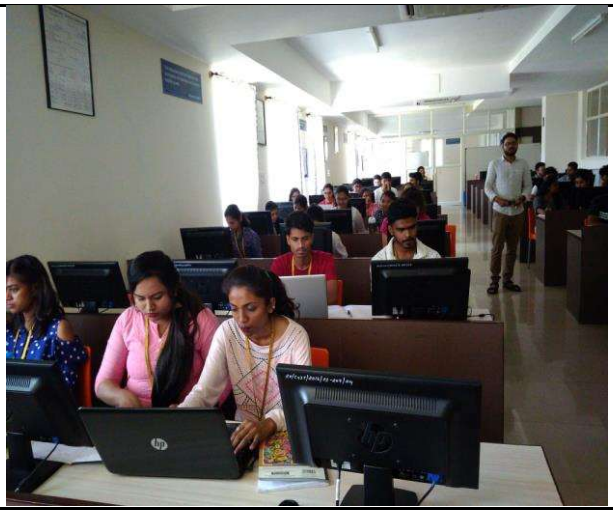
Venue 3: Mr. Roshan



Venue 4: Mr. Roshan

Venue 5: Mr. Akash

Venue 6: Mr. Deepak



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Bengaluru, India

SCHOOL OF COMPUTING AND INFORMATION TECHNOLOGY

Sl. No.	Name of the document	Template (to be inserted as an object file)
1.	Brochure	NA
2.	Banner	NA
3.	Certificates copy (1 sample copy)	certificates.pdf
4.	Brief report of the event with photos	Event report_6122019_Form
5.	Schedule with date-wise topics	As per the event
6.	Budget details • Budget • Request Letter • Sanction letter	Fund Request Letter format.docx Sanction Letter format.docx
7.	Expenditure details	PRIZE MONEY for students Rs. 4500 Certificates Rs. 457 Colored printout of Posters (3 copies) + Stationary items Rs. 280 Tea /Snacks for Experts (for 3 rounds) Rs. 100

8.	Invitation letter copy	CIT EVENT CIRCULAR: BEST IDEA COMPETITION-2019 Respected All, School of Computing & Information Technology is organizing **BEST IDEA COMPETITION (BIC-2019)** for all branch students. The idea behind this is to encourage students to present their ideas and provide them an opportunity to apply for government funding to convert their *IDEAS to PRODUCTS.* The Competition shall be held in three levels : **Level-1: Submission of the Idea (Abstract: 750 words) (by 24th August 2019)** **Level-2: Presentation of Idea through PPT (on 26th August 2019)** **Level-3: Presentation of Shortlisted Ideas to Experts (on 29th August 2019). The top 3 ideas shall be given attractive prizes and shall be assisted with possible financial support for implementation.**
9.	Participants list	11122019 Best Idea2019_Registered
10.	Sample Filled Feedbacks forms	Feedbackform_event.docx
11.	Responsibilities list	Dr. Gopal K. Shyam- Circular preparation and Coordination Dr. Rajeev Ranjan – Publicity of event in CSA Prof. Naveen Chandra Gowda - Certificates Prof. Farooque Azam – Publicity of event in other schools Prof. Ambika – Publicity of event in other schools Prof. Priyanka Bharti – Publicity of event in other schools Prof. Sowmyalatha Naveen– Publicity of event in other schools
12.	Profile of the resource person for the event	NA
13.	Communications/emails sent/received from the resource persons	CIT EVENT CIRCULAR: BEST IDEA COMPETITION-2019 Respected All, School of Computing & Information Technology is organizing **BEST IDEA COMPETITION (BIC-2019)** for all branch students. The idea behind this is to encourage students to present their ideas and provide them an opportunity to apply for government funding to convert their *IDEAS to PRODUCTS.* The Competition shall be held in three levels : **Level-1: Submission of the Idea (Abstract: 750 words) (by 24th August 2019)** **Level-2: Presentation of Idea through PPT (on 26th August 2019)** **Level-3: Presentation of Shortlisted Ideas to Experts (on 29th August 2019). The top 3 ideas shall be given attractive prizes and shall be assisted with possible financial support for implementation.**

REVA UNIVERSITY
Bengaluru, India

School of Computing and Information Technology

Report
on
"Seminar on Open Source Technologies by RED HAT"

Date: 6thFebruary 2020

Venue: Kuvempu Auditorium

With the revolution of free software movement, where the philosophy supports and respects the software users' freedom," School of Computing and Information Technology took a major initiative in bringing awareness to the future contributors in this sector.

The RED HAT Academy associates along with Best Red hat certified Training Partner (India & Overseas) COSS associates gave a seminar to the students to understand the importance of Open Source and its respective growth for the budding engineers.

Mr. Ramesh Padmanabhan, Director GLS RED HAT introduced to students the importance of OpenSource from industry perspective. He also introduced the RED HAT Academy programs with academic institutions to offer top-quality education programs on Red hat technologies to help students reach their academic and career potential.

As an RED HAT certified architect Mr.Gourav Sharma introduced the young aspirants to the various fields of Open source/Linux applicability in real time applications .Among the members from Industry were Mr.AneeshP.V- Partner Manager RED HAT,Mr.GouravSharma –Technical Head, and Mr. Sidhartha K - Consultant REDHAT.

Students of all semesters (2nd, 4th and 6th) along with other branch students participated in the seminar. The seminar involved interactive and lively talk, where the speaker from RED HAT motivated them by giving goodies to the participants with right answers for the questions asked.

The seminar, as an outcome has RED HAT certification program, for which many students have shown interest and are getting registered. This was an indicator for the success of the seminar

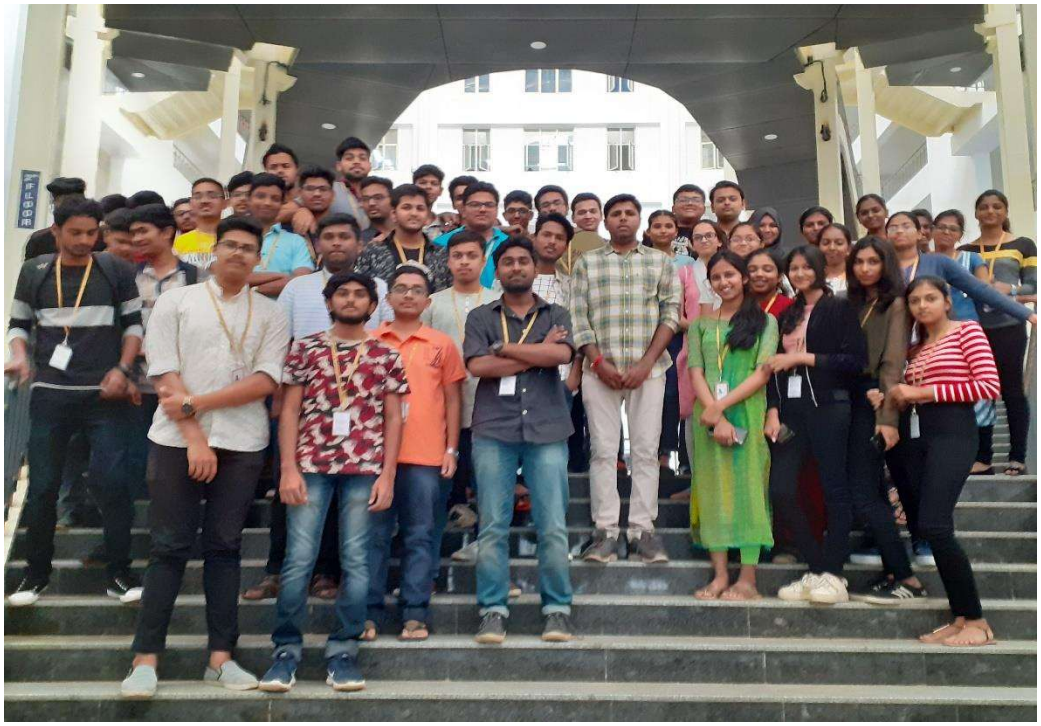
Co-ordinators of the event:

1. Dr. Ashwin Kumar U.M
2. Prof. Manjunath P.C
3. Prof. Ranjitha U.N
4. Prof. Rajesh I.S
5. Prof. Supreeth S

Photos of the Event:

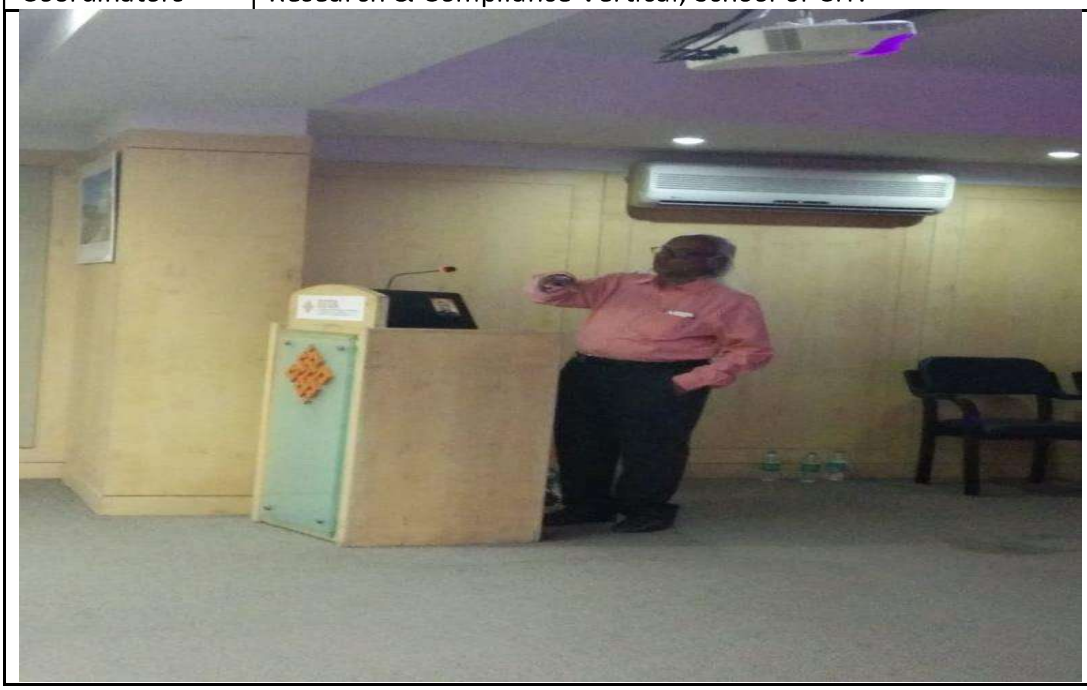
REVA UNIVERSITY
School of Computing and Information Technology
Organises
Seminar on Open Source Technologies
by
RedHat
KICK START. YOUNG.
Red Hat Academy
Red Hat Academy and Red Hat OpenShift

Skill Development Program for RU 3rd sem students A Brief Report		
About the SDPs	The School of Computing and Information Technologyorganized Skill Development Program for 3rd semester CSE Students.	
Organized By	School of Computing and Information Technology in association with University Industry Interaction Centre (UIIC), start certification, monkfox, valleyboot camp	
Date of SDP	26th, 27th, 28th and 29th August 2019	
Coordinators/ Organizing Committee	Dr. Ashwin Kumar U M Dr. Shantala Devi Patil Prof. Tanuja K Prof. Asha K	
Instructors & Attenders	**Instructors** Mr. Jayanth Mr. Venkata Naidu Mrs. Manjushri	**Attenders** Mr. Chandru Mr. Lohith
Targeted Audience	3rd semester CSE students, REVA University	
Resource Person(s)	1. Sachin, Rupam and Srinath from Monkfox team, 2. Dr. Bhushan, Prof Pranit starcertification team, 3. Swapnil, Vishak Bharadwaj S from valleyboot team	
Program Conducted	1. Machine learning using python 2. Graphics using Adobe 3. Web design using Java Scripts	
No. of Students Participated	512	
Feedback from Students	All the students expressed their view that they are very much happy and satisfied with the SDP and suggested to have few more of these kind of SDPs which will help them in academics for doing mini/major projects of their own interest and also for placements	



Director
School of C & IT

School of CIT's Faculty Development Program Engineering & Research For Faculty Members and Research Scholars	
About the FDP	An FDP on 'Engineering & Research' for the faculty members and Research Scholars of all schools focusing on providing training and knowhow to all on writing research funding proposals.
Organized By	School of Computing & Information Technology
Date	29th June 2019 , 10.00am to 1.00pm
Objectives of the FDP	1. To train faculty members and scholars on process of writing funding proposals 2. To inform about various funding agencies both governmental and private.
Outcomes of the FDP	The Participants shall be able to: 1. Draft their research ideas in the form of proposals for funding. 2. Identify appropriate funding agencies and submit the proposals to them
Resource Persons	1. Prof. L.M. Patnaik, Adjunct Professor and INSA Senior Scientist, Consciousness Studies Program, National Institute of Advanced Studies, IISc Campus. Former Professor, Indian Institute of Science, Bangalore. 2. Prof. Abhishek Appaji, Joint Secretary and SIGHT Chair, IEEE Bangalore Section, Assistant Professor, Department of Medical Electronics, BMS CoE, Bangalore.
Participants	50+ Faculty members from various schools and research scholars of 2019 batch
Coordinators	Research & Compliance Vertical, School of CIT.



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Bengaluru, India

SCHOOL OF COMPUTING AND INFORMATION TECHNOLOGY

Report on "PROJECT CHALLENGE"

Date: 29th & 30th March 2019

School of Computing and Information Technology took an initiative to host "Project Challenge" to encourage and provide a platform for students to show case their talents and innovative ideas in developing projects through latest technologies and using popular programming languages such as Python, R, etc.

School of Computing and Information Technology hosted "Project Challenge" in association with Florida International University (FIU), USA and Xcelerator with having the themes Data Science | Machine Learning | Image Processing on 29th and 30th March 2019.

Themes with Problem Statement details are mentioned below:

Theme - 1: Data Science – Analysis of Air Pollution Data
Problem Statement: To perform exploratory data analysis and cluster analysis of air pollutant concentration of a place and show the analysis in a visual form.

Theme - 2: Machine Learning – Text Mining on Twitter: Finding Frequently used Words
Problem Statement: Internet has fundamentally changed the way we interact with each other. Today, social networking tools like Twitter has billions of active users. Performing analysis on the message texts is not only challenging, but also a powerful tool that has been employed in diverse fields such as business, humanities and health sciences.

Theme - 3: Image Processing – 2D Shape Recognition using OpenCV
Problem Statement: Computer vision plays a crucial role in the industry today weather it be in robotics, self-driving cars, pattern recognition, etc. An essential part of computer vision is shape detection. Ability of the system to identify simple and complex shapes is an integral part of the image processing algorithm used by any computer vision system. Over the past decade, there has been a significant rise in the requirement of the image processing professionals familiar with concepts such as these.

Around 10teams comprising of 30+ students were participatedin Project Challenge.

The event was inaugurated by our beloved School Director, Dr. Sunilkumar S. Manvi,Faculty Coordinatorsand Xcelerator team.

After the inaugural function,participants in teamsstarted with developing project based on their theme and problem statement selection on 29th March2019(Day 1) and completed the project challenge on 30thMarch 2019 (Day 2). Finally,the event concluded with Final Evaluation of all the student team's project from the Xcelerator team.

Outcomes of the PROJECT CHALLENGE:

- Certificate of Excellence for exemplary performing teams.
- Job placement support with industry partners on Xcelerator.
- Admission at FIU and a $10,000 tuition fee waiver for a selected few students.

List of 'Winners' of the PROJECT CHALLENGE:

Name of the Team Members	Sem, Sec & School	Theme of the Project	Position secured
Yeshwanth T M	VI – F School of C & IT	Image Processing – 2D Shape Recognition using OpenCV	FIRST
Raghav K R	VI – F School of C & IT		
Roshan Shetty	VI – F School of C & IT		
Dushyanth Reddy	VI – F School of C & IT	Image Processing – 2D Shape Recognition using OpenCV	SECOND
Sachin Sharngowda	VI – F School of C & IT		
Rakshith G	VI – F School of C & IT		
Sanjay Karne	VI – F School of C & IT	Image Processing – 2D Shape Recognition using OpenCV	THIRD
Sanjay K R	VI – F School of C & IT		
Sagar B Dollin	VI – F School of C & IT		

List of 'Star Performers' of the PROJECT CHALLENGE:

1. Aditi H M (VI – A, School of C & IT)
2. Yeshwanth T M (VI – F, School of C & IT)
3. Rakshith G (VI – F, School of C & IT)

List of students received 'Certificate of Excellence' of PROJECT CHALLENGE:

1. Aditya Kumar Sarda (VI – A, School of C & IT)
2. Anmol Kumar (VI – A, School of C & IT)
3. Aditya Pathak (VI – A, School of C & IT)
4. Aditi H M (VI – A, School of C & IT)
5. Harshith S (VI – C, School of C & IT)
6. Yeshwanth T M (VI – F, School of C & IT)
7. Rakshith G (VI – F, School of C & IT)
8. Sagar B Dollin (VI – F, School of C & IT)
9. Kamjula Chandrashekar (VI – C, School of C & IT)
10. Aditya Kumar (VI – A, School of C & IT)

Faculty Coordinators:

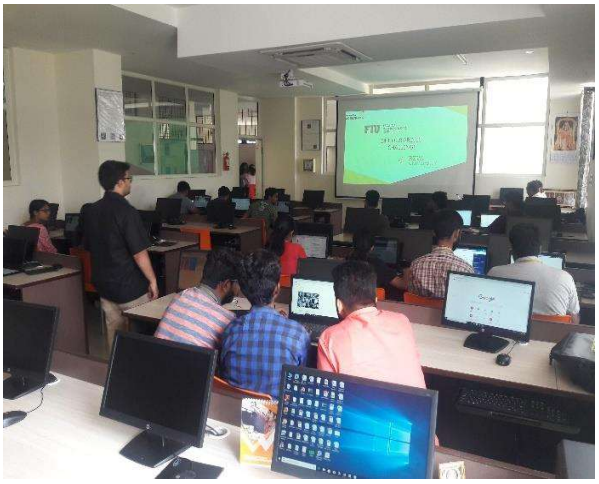
Dr. Ashwinkumar U M

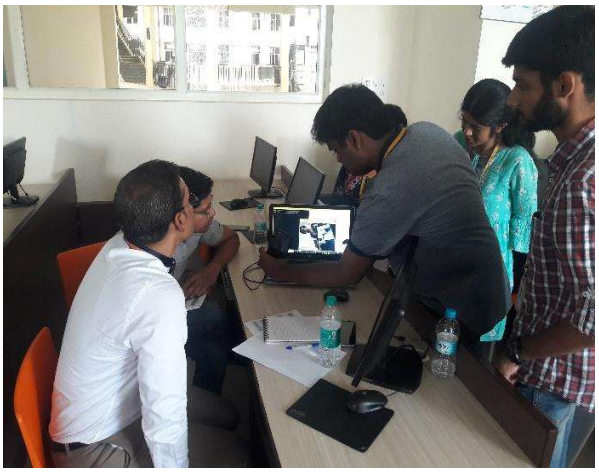
Prof. G C Sathish

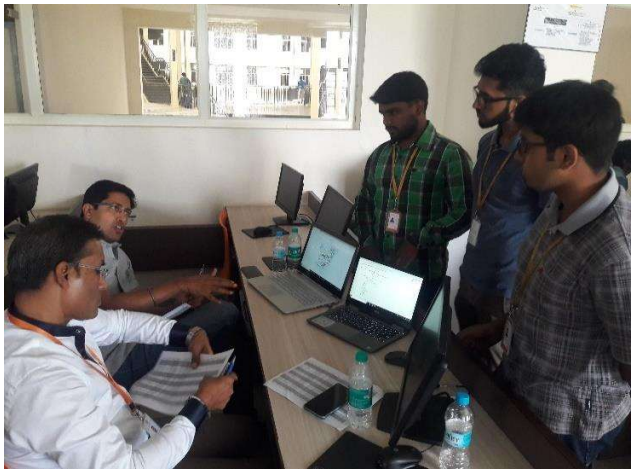
Prof. Kiran M

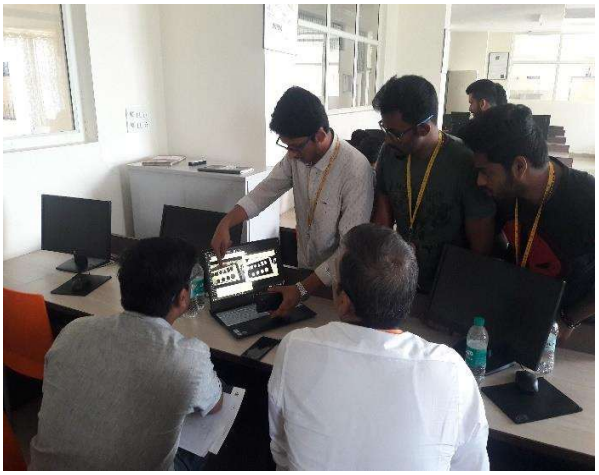
Some snapshots of the "PROJECT CHALLENGE"are provided below:

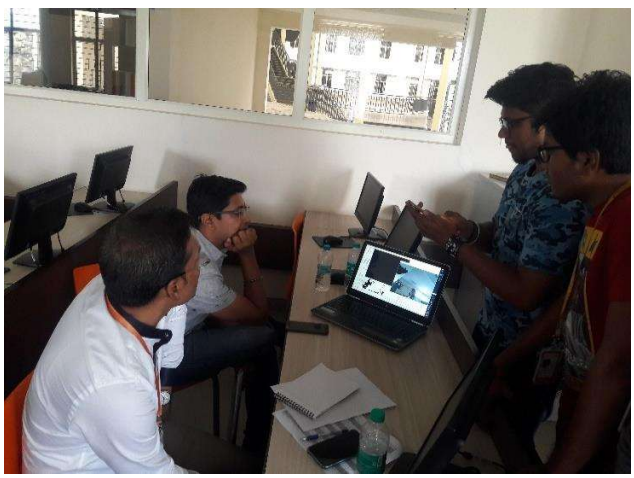
FIU
FLORIDA INTERNATIONAL UNIVERSITY
24-HOUR PROJECT CHALLENGE
REVA UNIVERSITY

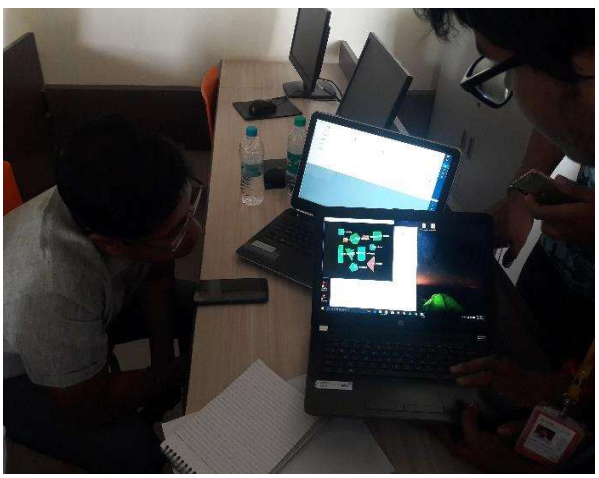


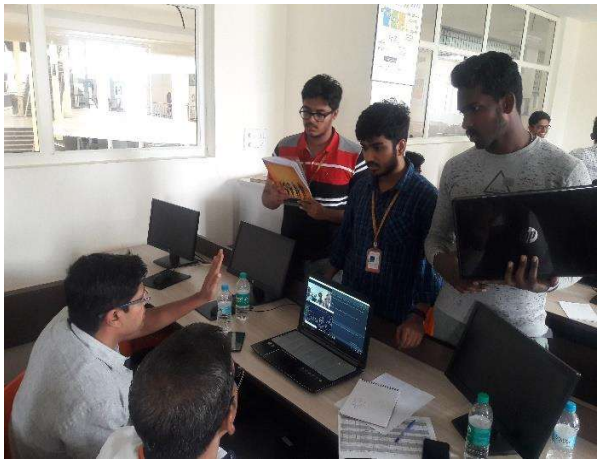


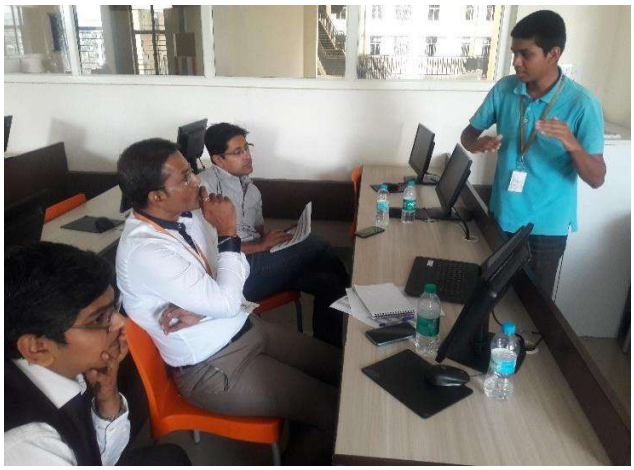


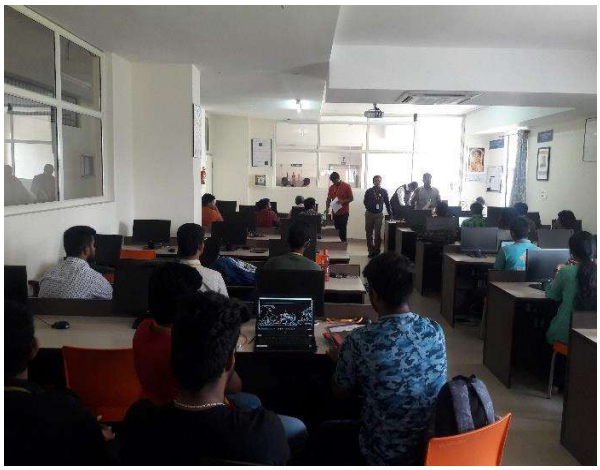








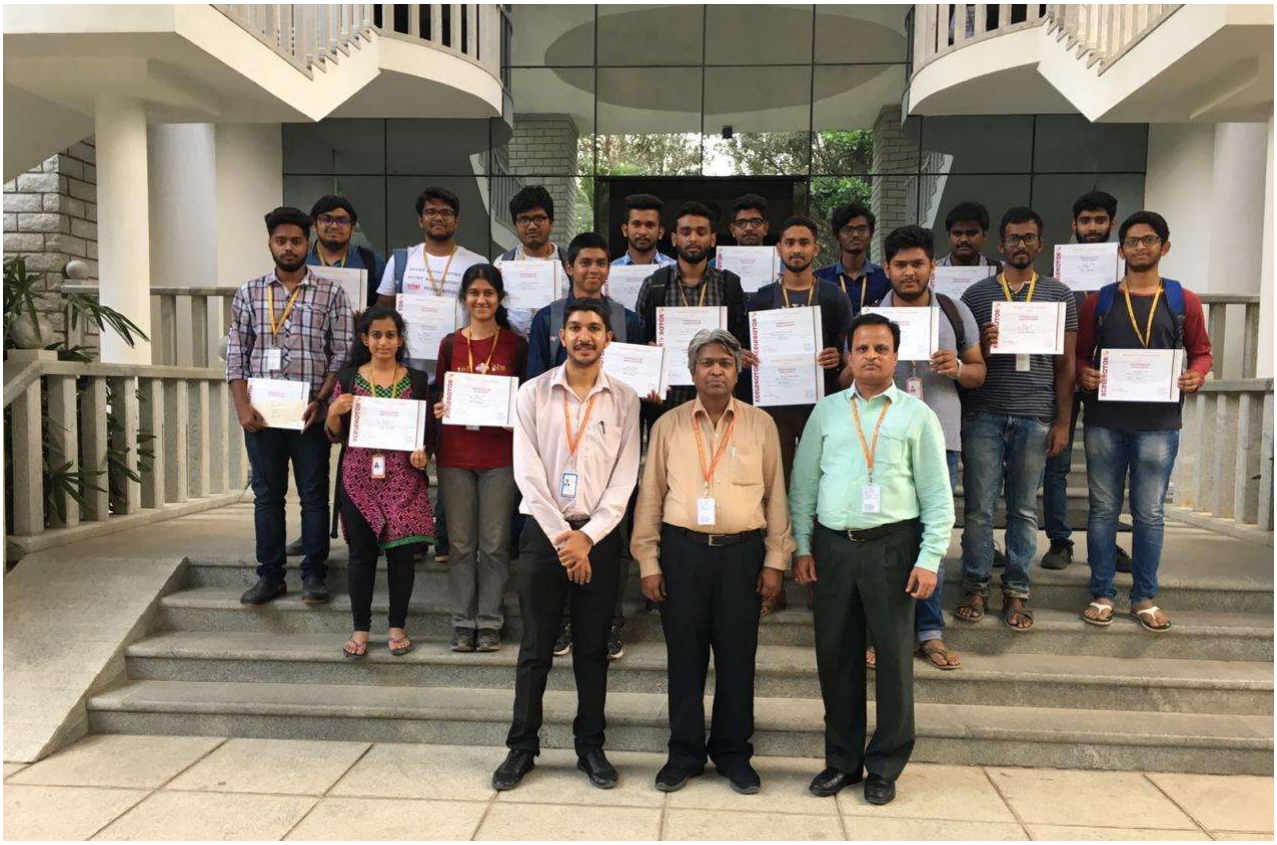




FIRST POSITION

SECOND POSITION

THIRD POSITION



Director

School of C & IT

REVA UNIVERSITY
Bengaluru, India

Report on One-Day FDP

DATE: 31st August 2019

VENUE: Liabray Seminar Hall.

TIME: 10:30AM

One day FDP is orgnised by R&I Council and school of C&IT for the faculty and Research scholars on **"Effective eResources retrieval strategies for efficient research** and **How to Write a Quality Technical Paper**" by Mr M. S. Srinivasa and Mr. Dhanu Pattanashetti on 31st August 2019 at 10:30 AM in Liabray Seminar Hall.

In this IEEE FDP program, the overview of IEEE Xplore digital library upgraded version was the central theme. Research oriented search strategies was discussed with participants. Following points were focused in the session:

- Introduction about IEEE Xplore upgraded version
- Code Ocean, Math ML code, Images usage, Contextual descriptions
- Author profile viewing in new Beta, account creation
- Introduction of author digital tool box for aspiring researchers
- Publication recommender for new authors
- Finding relevant information for literature/systematic review
- Personalisation features to save users time
- Basic and advanced search strategy to easily access the required content
- Using various tools to work with results
- Finding the popular and latest information for their scholarly work

How to Write a Quality Technical Paper

- The session will offer valuable guidance on everything from how the IEEE publishing process works to basic writing tips and submitting a manuscript. The goal of the session is to enable authors/potential authors to advance technology and their careers by enhancing their ability to get published and share their research with the scholarly community.
-
- *Key takeaways:*
- Better understanding about the review process
- Expectations from the reviewers and the editors
- Avoiding some of the common mistakes while writing a paper
- Reasons for rejection of papers
- Paper structure and tips to come out with a stronger manuscript
- Ethics and type of misconduct

- Support IEEE provides during the publication process

1.Resource person: Mr M. S. Srinivasa

Mr. M S Srinivasa is the Training manager for South states (Karnataka & Telangana) from EBSCO Information Services India Pvt Ltd (IEEE official training partner in India) . He is a graduate in B.E(EEE) from SBM Jain College of Engineering and post graduate in Digital Electronics from CMRIT Bangalore, an engineer by chance trainer by choice. His people oriented approach has made him stick to training career. He is experienced in training and education industry for more than half a decade. He imparts EBSCO & IEEE Xplore products training to UG, PG students, faculties, research scholars of engineering, medical, management colleges, theological institutions and research organizations like IISC, NAL, JNCASR, ICAR, UGC across South India. He is one of the sought after product trainer from South.

His expertise lies in product training and conduction of programs for MNC companies like Honda cars, Panasonic, Berger Paints, SPCIL, Aditya Birla group, etc. Teacher training programs are also done by him across Karnataka. He has conducted over hundreds of training programs for thousands of researchers till date.

2. Resource person: Mr. Dhanu Pattanashetti

Mr. Dhanu Pattanashetti is the Client Services Manager at IEEE and is based out of Bangalore. Dhanu works with IEEE Xplore Digital Library customers and handles IEEE Xplore training (both onsite and via webinar) and presentations, internal IEEE promotions to include IEEE content within library web pages, intranets and other work-flow applications. He closely works with libraries in universities/technical institutions, students/faculty/researchers in academic, government and corporate sectors and advises effective data use for their endeavors.

He has published 2 papers in journals and presented a paper at an international conference in Indonesia. He has a PhD in Library and Information Science from University of Mysore; Master's degree in Library and Information Science and a Bachelor's degree in Engineering.

REVA UNIVERSITY
Bengaluru, India

Report on "Code to Compete (C2C-2019)"

For Inter PU students
Organized by,

School of Computing and Information Technology

Date: 12th October 2019

Title of the event: Code to Compete (C2C-2019)

School: School of Computing and Information Technology

Venue: Basement Seminar Hal, Swami Vivekananda Block

Date: 12th October 2019

Year: 2019

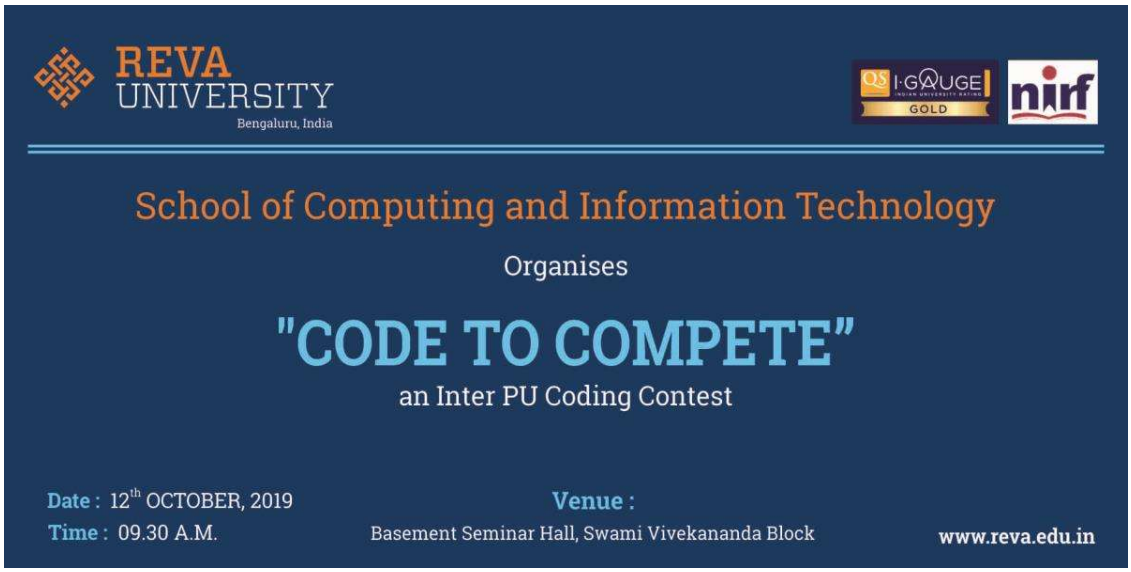
Coordinators: Prof. Surekha Thota, Prof. Basavaraj S Hadimani

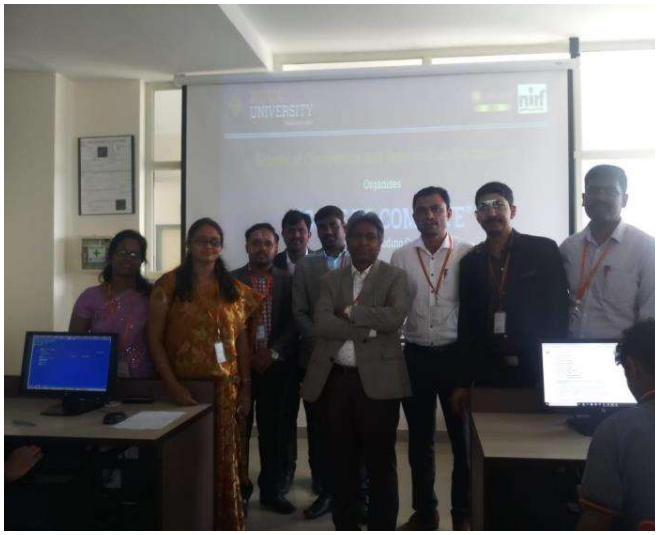
School of Computing and Information Technology, REVA University has organized a coding contest - "**Code to Compete (C2C-2019)** " for **Inter PU students** on October 12th, **2019**, to create awareness of coding for the PU students, around 20 different teams from various PU Colleges has participate in the Competition.

The event was inaugurated by our beloved **Director, Dr. Sunil Kumar S. Manvi.** The inauguration was attended by Inter PU students, faculty members.

There were around **20 teams** registered for this event with around **60 participants** (3 in a team) from different PU colleges, the event started by 9.30 a.m. in the morning and it went on till 1.00 p.m. on 12th October. The whole event was divided into three stages viz... Presentation of the idea towards the theme, and the intermediate implementation of the idea and finally demonstrating the given program.

We thank Honorable **Vice Chancellor *Dr. S. Y. Kulkarni* Sir,** for distributing the Prizes for the winners and presenting token of appreciation for the faculty members from various PU colleges.


REVA
UNIVERSITY
Bengaluru, India
I-GAUGE
GOLD
nirf
School of Computing and Information Technology
Organises
"CODE TO COMPETE"
an Inter PU Coding Contest
Date : 12th OCTOBER, 2019
Time : 09.30 A.M.
Venue :
Basement Seminar Hall, Swami Vivekananda Block
www.reva.edu.in



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Director

School of C & IT

Talk on "IPR: its Importance" **A Brief Report**	
About the SDPs	This SDP is organized for PG students to get knowledge on what is IPR and why it is important
Organized By	School of Computing & IT
Date of Workshop	Sep 24 2019
Coordinators	Dr. Udaya Rani V
Targeted Audience	PG Students
Resource Person(s)	Arshiya Ambreen
No. of Participants	30
Feedback from Participants	Resource person were good, Got knowledge on IPR

Coordinators

Director, School of C and IT

REVA UNIVERSITY
Bengaluru, India

School of Computing and Information Technology

Report
on
"Seminar on Open Source Technologies by RED HAT"

Date: 6thFebruary 2020

Venue: Kuvempu Auditorium

With the revolution of free software movement, where the philosophy supports and respects the software users' freedom," School of Computing and Information Technology took a major initiative in bringing awareness to the future contributors in this sector.

The RED HAT Academy associates along with Best Red hat certified Training Partner (India & Overseas) COSS associates gave a seminar to the students to understand the importance of Open Source and its respective growth for the budding engineers.

Mr. Ramesh Padmanabhan, Director GLS RED HAT introduced to students the importance of OpenSource from industry perspective. He also introduced the RED HAT Academy programs with academic institutions to offer top-quality education programs on Red hat technologies to help students reach their academic and career potential.

As an RED HAT certified architect Mr.Gourav Sharma introduced the young aspirants to the various fields of Open source/Linux applicability in real time applications .Among the members from Industry were Mr.AneeshP.V- Partner Manager RED HAT,Mr.GouravSharma –Technical Head, and Mr. Sidhartha K - Consultant REDHAT.

Students of all semesters (2nd, 4th and 6th) along with other branch students participated in the seminar. The seminar involved interactive and lively talk, where the speaker from RED HAT motivated them by giving goodies to the participants with right answers for the questions asked.

The seminar, as an outcome has RED HAT certification program, for which many students have shown interest and are getting registered. This was an indicator for the success of the seminar

Co-ordinators of the event:

1. Dr. Ashwin Kumar U.M
2. Prof. Manjunath P.C
3. Prof. Ranjitha U.N
4. Prof. Rajesh I.S
5. Prof. Supreeth S

Photos of the Event:

REVA UNIVERSITY
School of Computing and Information Technology
Organises
Seminar on Open Source Technologies
by
RedHat
KICK START. YOUNG.
Red Hat Academy
Red Hat Academy and Red Hat OpenShift

REVA UNIVERSITY
Bengaluru, India

Report of Session on "Introduction to Block chain and possible Job opportunities" Organised by of School of Computing & Information Technology, REVA University

Coordinators: Prof. Gopinath R and Prof. Surekha Thota
Venue: Library Seminar Hall, Ground Floor, Central Library Block
Date: 24/01/2020
Participants: B. Tech (CSE) 4th, 6th and 8th Semester Students

The **School of Computing & Information** Technology in association with **Emurgo Academy** had organized a session on "**Introduction to Block chain and possible Job opportunities**" on 24th January 2020 between 2.00 PM to 4.30 PM. The main objective of the session was to create awareness for students about the job opportunities in block chain technology.

EMURGO Academy is a Global Blockchain Learning Solutions entity of EMURGO Global established in Jan 2019 to focus on incubation, Training and evangelising Blockchain to foster deep fundamental understanding of blockchain technology and thus establish an education program to drive practical usage of blockchain technology around the globe.

There were around **300** students participated for this event. The event started at **2.00 pm** and it went on till **4:15 p.m**. with two sessions on **24th January 2020**

On behalf of School of Computing & Information Technology we would like to thank our Honorable Chancellor **Dr. P. Shyama Raju**, Vice Chancellor **Dr. S. Y. Kulkarni**, Registrar **Dr. M. Dhanamjaya**, Dean-placement, Training and Planning **Dr. N. Ramesh** for their continuous support.

We extend our special thanks to our beloved Director **Dr. Sunil Kumar S Manvi** for his continuous support, encouragement and motivation.

Few Snaps of Session

EMURGO
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REVA

REVA UNIVERSITY
Bengaluru, India

Alumni talk on "Challenges involved in internship, placements and higher education "

About the talk	Alumni talk on "Challenges involved in internship, placements and higher education "
Organized By	School of Computing and Information Technology
Date of talk	28th January 2020 Timings : 9:45AM to 11:45AM
Objectives	The objectives of the talk were to educate students about, 1. Preparing for internship 2. Applying for internship 3. Attitude during internship 4. Preparation for placement, facing interview, solving technical problems during interview 5. Process of applying for universities abroad and preparation of GRE, IELTS etc.
Outcomes	On completion, the students will be able to, 1. Tackle both internship and placement interviews positively 2. Apply for Universities for higher studies with insights obtained
Resource Person	Mr. Shah Abdul Ghani, Technical Analyst, Hashedin Technologies , Bangalore, (Also Alumni of REVA University)
Participants	65 students from School of Computing & Information Technology.
Faculty Coordinators	Prof. Sarvamangala D R, Prof. Kiran, Prof Ravishankar, Prof Tanuja

Photos:

To Hashedin Technologies..

Coordinators:

Prof.Sarvamangala D R
Prof.Kiran
Prof Ravishankar
Prof Tanuja

Director

Dr.Sunilkumar S. Manvi
School of C&IT
REVA University

REVA UNIVERSITY
Bengaluru, India

SCHOOL OF COMPUTING AND INFORMATION TECHNOLOGY

Event type: Expert Talk **Title of the Event: Talk on Research Grants**	
Scope of the Event	University Level
Organized By	School of Computing and Information Technology
Date of the event	29th Feb 2020
Coordinators/ Organizing Committee	Nimrita Koul and Student Office Bearers of ACM REVA Chapter
Targeted Audience	Faculty Members
Resource Person(s)	**Dr. Vivek Venkobarao, Senior Member IEEE, ExCom Member IEEE CES, TEMS**
No. of Faculty Participated	**75**
Feedback	Enclosed

Learning Objectives:

1. **Teach about writing good grant applications**
2. **Teach about funding opportunities**

Outcomes of the event:

1. **The participants were acquainted about procedure of writing a good grant application**
2. **The participants were introduced to various funding organisations**

Some Snapshots of the Event with captions:

Coordinators Signature

Director

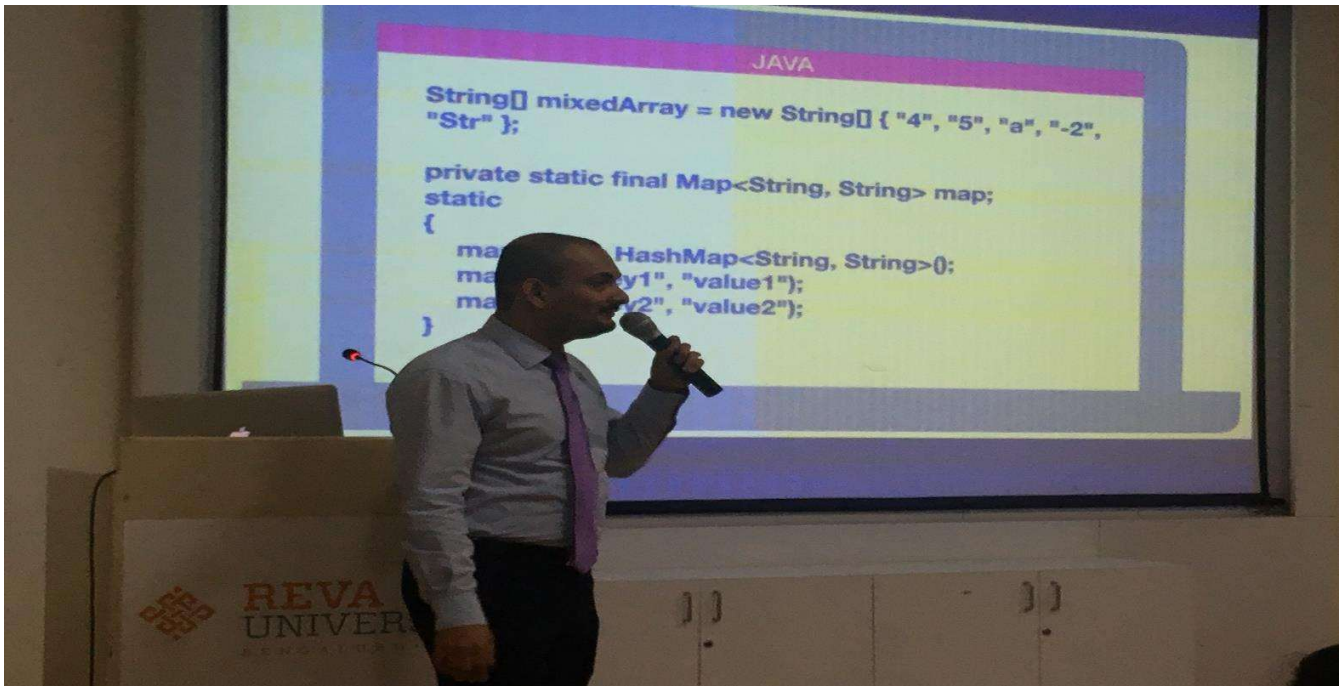
School of C&IT

Talk on "iOS App development programme" **A Brief Report**	
About the Talk	The **School of Computing & Information** Technologyhad organized a session on "iOS App development programme" on 30th January 2020 between 2.00 PM to 4.30 PM.The main objective of the session was to create awareness for studentsabout the job opportunities in iOS app development.
Organized By	School of Computing & IT
Date of Workshop	30/01/2020
Coordinators	Prof. Gopinath R Prof. Sunil Manoli Prof. PrabhuRaj
Targeted Audience	4th, 6th and 8th sem students of CSE
Resource Person(s)	PrasanthKonoth Director – TransformITTechSol Pvt. Ltd
No. of Participants	150

Coordinators

Director, School of C and IT

Sample photographs


JAVA
String[] mixedArray = new String[] { "4", "5", "a", "-2",
"Str" };
private static final Map<String, String> map;
static
{
HashMap<String, String>();
y1", "value1");
2", "value2");
}
REVA

Competitive exam promotion A Brief Report	
About the Club activity	The School of Computing and Information Technology organized **Competitive exam promotion** Program for CSE Students.
Organized By	School of Computing and Information Technology
Date	Feb 12th 2020, 2.45 PM to 4.15PM
Coordinators/ Organizing Committee	Dr. Shantala patil Prof. Ashok patil Prof. Bhulakshmi
Targeted Audience	All 6th semesters C & IT students, REVA University
Resource Person(s)	Devanand and Shivani,Tarik
Student Coordinators	Kedhar Reddy 6th sem
Program Conducted	Clear view on how to prepare for competitive exams and TOFEL,GRE preparation.and about abroad studies and job and about packages
No.of Students Participated	60 students
Feedback from Students	Students were happy to know the about abroad studies and job and packages. How to prepare for competitive exams
Outcome	Students can plan for competitive exams and they got idea to study in other countries
Venue	Justice Hegde seminar hall, Basement, Vivekananda Block

Content
Overview of talk how to prepare for competitive exams and TOFEL,GRE preparation and about abroad studies and job and about packages

Resource Person delivery by Shivani

Interacting with students

Resource person: Devanand, Shivani andTarik with C &IT Staff

School of C & IT

REVA UNIVERSITY
Bengaluru, India

SCHOOL OF ARTS AND HUMANITIES

REVA University celebrated its much awaited second annual National Film Festival Li and Le on 12th and 13th of March, 2020. The two-day Film festival hosted by the School of Arts and Humanities, consisted of both entertaining contests like photography, concept ads, best storyboard and many more. Various industry experts hosted workshops related to cinematography, film editing, acting, etc.

The Inaugural event was graced by noted personalities like T.S. Nagabharana, director of both parallel and mainstream cinemas, Prakash Belawadi, renowned actor, writer, journalist, trainer and Pradeepa Sivalingam, radio jockey, journalist and the founder of SAKKATH studio.

The event began at 11.30 am at REVA Rangasthala with an invocation song by Manasi from the School of commerce. After the ceremonious lighting of the lamp, Vice Chancellor Dr. S.Y. Kulkarni welcomed the guests. Honourable chancellor, Dr. P. Shyama Raju honoured the guests. Each guest spoke on the importance of audio- visual means of communication, especially in today's tech-savvy generation. Apart from the inauguration, various exciting events were conducted like quiz, photography contests, ad concept, and open mic competition with participation from students from various colleges along with students from REVA University. The national film festival Li and Le came to an end with the valedictory ceremony after the screening of short films. The chief guest spoke at length, commenting on the various aspects of the short films like the plot line and technicalities. Following the speech the prizes of the two-day event were distributed and Mr. Manjunath, faculty, Mass communication and Journalism gave the vote of thanks. After the valedictory session, “Bashaa” was screened for the audience.

REVA UNIVERSITY
Bengaluru, India

REPORT ON RADIO - WORKSHOP

Title: Workshops

Date: 30, April 2019

Venue: Media Studio & Media lab

Classes Attended: School of Arts & Science Students – MAJ – II Sem

Number of beneficiaries: 30

Resource Persons:

- Shri..Shriretty G , Former Director All India Radio

Objective: To instill an understanding of radio programme making

School of Arts and Humanities organized a one day working on 'Radio Programme Production' on April 30 , 2019 at REVA University. Shri..Shriretty G , Former Director All India Radio was the resource person for the workshops.

The activities organized as part of the workshop are:

a. Script writing for radio
b. Music & SFX
c. Drama production
d. Panel Discussion
e. Sound Recording
f. Audio Editing

REVA UNIVERSITY
Bengaluru, India

School of Arts, Humanities & Social Sciences

Event: Webinar **Date: 1st April 2021**

The School of Arts, Humanities & Social Sciences, organised a webinar by the alumna, Dr. Beena G, Controller of Examination, REVA University on 1st April 2021 through online Conferencing platform, Microsoft Teams. The topic was "Fading Boundaries: Interdisciplinarity in Research". She encouraged creative and cultural thinking that deepen awareness and appreciation of cultural distinctiveness, heritage and history. She also mentioned about the new vistas of research that transform powers and contribute to innovation. The lecture ended with a 'Question and Answer Session' that was both informative and educative. There were more than 130 students participated in the guest lecture and benefitted by the New vistas of thought created by Dr. Beena.

Link : https://web.microsoftstream.com/video/fef06670-c3c9-4bfd-ba46-ade41f97b29a

REVA UNIVERSITY
Bengaluru, India

REPORT ON NATIONAL CONFERENCE ON 'GENDER & MEDIA'

Title: National Conference on Gender & Media

Date:15, March 2019

Venue: Seminar Hall 7th Floor, Swami Vivekanda Block

Classes Attended: School of Arts & Science Students (BA & MA)

Number of beneficiaries: 500 (80 External Participants)

Number of Research Papers Presented: 78

Resource Persons:

- Mr T. R. Gopalakrishnan, Former Editor of The Week
- Mr Kumar Jahgirdar, President of CRISP
- MsSapna M. S., Associate Professor at Mysore University
- Ms Sana Suman, Transgender Activist

Objective: To create a platform for academicians, social activist, journalists, research scholars and students to investigate and debate on the diverse perspectives of the themes ranging from the construct of gender identities to its myriad representation in media.

Report

School of Arts & Humanities, REVA University organized a one day national conference on 'Gender & Media' on March, 15, 2019 at University.

As a part of the National Conference,a plenary session was held on 'Post Truth in Media Narratives'. The speakers for the session were Sana Suman, Transgender Activist, and Member of 'Ondede', Mr. T. R. Gopalakrishnan, Former Editor of 'The Week', and Mr. Kumar V. Jahgirdar, President of CRISP (Child Rights Initiative for Shared Parenting). The moderator for the panel was MsSapna M. S., Associate Professor in University of Mysore. The event began at 11:00 am.

Ms Sana Sunam was the first speaker who spoke at length giving the perspective of the transgender community. She spoke about the flipside of being the first transgender to enroll as a student. Though she's happy that she took the initiative she is sad that there are not more like her in college. She went on to give a brief on Ondede, community for transgenders. Members of Ondede do Convergent work covering Dalits, youth, child rights and other minorities. Regarding She spoke about the lack of proper presentation of the transgender community. She feels that media has the power to change people's mindset. In general, the community is portrayed in a negative way but depending on how media is used it can be a good thing or a bad thing. She agrees that time is developing and media is also the reason for so much awareness. Section 377 was a major indicator of this. As a student of journalism, she writes articles that address the issues of the community and also debunks common misconceptions like the fact that all transgender are sex workers. Regarding the #MeToo movement she said that although it was a good thing, the only reason it got so much spotlight was because of celebrities. Had it been a marginalized, low income worker, the situation would have been different.

Sri. T R Gopalakrishnan, in his opening statement stated, how the media covers the issues of gender. Being in print all his life he says the coverage is primarily event based. For example, the Supreme Court judgement that read down 377 also made a judgement against it. He spoke about the coverage of transgender who have become sarpanch and have contested elections. Gender issue has been a broad perspective in the context of editorial policies. He accepts that celebs do get the spotlight. They did a cover story on a transgender who starred in 'Lipstick Under My Burqa' and it was received well. Answering the criticism about celebrities getting preference by the media he said that publications are businesses and they must consider the readership. It can't be ignored. He said that in 'The Week' the female workforce is quite and he admits to not covering the issues of the transgender community as much as it needs to be due to cultural issues. "Very little understanding about the transgender community and media should be focusing on portraying them right. You need to take that step", he said. He also spoke about the MeToo movement and how he was surprised to know that the maximum victims were from institutions of higher learning and public sector institutions.

Sri. Kumar Jahgidar, a male rights activist started with the statistics of divorce rates. He feels that the maximum focus is on women and the children who are the victims tend to get ignored. He spoke about the importance of fathers in a child's and feels that the country is biased towards the men. "Visiting hours are like TV serials for a few hours. It is not enough for fathers", he said. His NGO aims at making shared parenting mandatory for divorced couples and trying to raise awareness about the importance of a father's

role in a child's life. Talking about media, he says men face a lot of problems in Dowry cases and how easy it is for women to trap men. Addressing the #MeToo movement he said that there were a lot of fake cases, publicity being the motive for most celebrities.Equal laws for both the genders as well as transgender he added. He stated that media focuses on women. Domestic Violence Act protects women only and that men need protection too.

The speakers added their own thoughts to the discussion which was followed by an interactive question and answer session. Student's actively participated and questioned each panelist with respect to their opening statements. Questions regarding gender stereotypes, laws, and the role media as well. At length the audience questioned and cross questioned. Regarding the issue of restrooms for transgender, Ms Sana says that the best solution to this problem is gender neutral restrooms. Another question from the audience raised the difference between what is taught about media in theory and the reality of the industry. "The best way is to get more people from the industry and conduct workshops for more practical experience." Said Mr. Goplakrishnan. The plenary session was concluded by Ms. Sapna and she summarized all the statements made by each speaker in a concise manner. After the panel discussion students of M. A. English put up a theater performance "The Odd Couple" portraying the different personalities of women and importance of friendship and trust which was thoroughly enjoyed by the audience.

Technical Sessions

The post lunch session of the conference witnessed the research paper presentations. Five sessions of paper presentation were conducted in different venues. Three panels consisted of presentations in English, chaired by Dr. Juby Thomas, Asst. Professor, Department of Journalism, Kristu Jayanti College, Bangalore and a Social Scientist Dr. Hemanth Kumar, Asst. Professor, REVA University, Dr Roby Mundackal, Head, Department of Journalism, JAIN University. The paper presentation in Hindi was chaired by Dr. Sreenivas and the Kannada paper presentation was chaired by Prof. Lingappa, REVA University. 78 papers were presented on various topics like gender stereotypes, media and gender, political science and Psychology and media.

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REVA UNIVERSITY
Bengaluru, India

School of Arts and Humanities

The Department of Psychology, School of Arts and Humanities organised **the international virtual conference on 28th May 2020 and 29th May 2020** through Microsoft Teams online platform. The theme of the conference was "**Life Competencies of Children and Adolescents of 21st Century.**" On 28th May 2020, the first day of the conference, Dr. Payel Dutta Chowdhury (Director, School of Arts and Humanities) welcomed the participants and Dr. Hemantha Kumara V (Coordinator, Department of Psychology, School of Arts and Humanities) presented the inaugural speech. The honorable Chancellor of REVA University, Dr. P. Shyama Raju delivered the presidential note and inaugurated the conference. Dr. G. Venkatesh Kumar (Dean-Science and Technology, Professor of Psychology, Department of Studies in Psychology, University of Mysore) gave the keynote address and emphasized on the competencies of children and adolescents of Gen Z. Dr. Jahnavi Devdutt (Clinical Psychologist, NIMHANS) was the first plenary speaker and she emphasized on how people can enhance Positive Mental Health. The second plenary speaker Dr. Shanmukh Kamble (Professor, Department of Psychology, Karnatak University, Dharwad) elaborated on research related to "Being in Just World". Two sessions of paper presentations were chaired by the plenary speakers, Dr. Jahnavi Devdutt and Dr. Shanmukh Kamble.

On 29th May 2020, second day of the conference, it started with keynote address by Dr. Lucy Bowen (Play Therapist, United Kingdom) and she explained about play therapy across the life span. The first plenary speaker, Dr. Damanjit Sandu (Associate Professor, Department of Psychology, Panjabi University, Patiala, Panjab) highlighted on the impact of online addiction among children and adolescents. The second plenary speaker, Dr. Ashok H S highlighted on the role and need of relationships on Social Media. The participants actively participated in question and answer rounds after every session which was very encouraging and rewarding for all the participants. There were two sessions of paper presentations in which many researchers presented their research papers and were given critical reviews about their work. The participants were delighted and provided positive feedback about getting an opportunity to listen to the national and international subject experts from varied domains and they looked forward for similar conferences.

REVA UNIVERSITY
Bengaluru, India
Established as per the section 2(f) of the UGC Act, 1956,
Approved by AICTE, New Delhi

Report on

"A Talk on Entrepreneurship Simulation"

In REVA University

Students: B.Tech Students, School of Mechanical Engineering.

Venue: Digital Classroom, Sir M V Block, REVA University.

Date: 20-09-2019.

Organized By: UIIC, REVA University in association with School of Mechanical Engineering.

Faculty Coordinators: Dr. Hampali C D, Prof. Arun Kumar H, Ms. Keerthana.

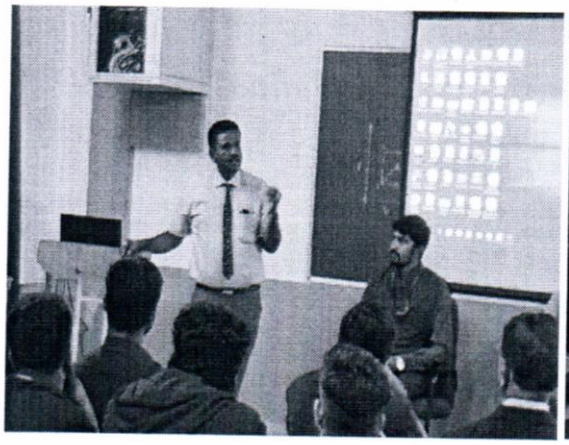
Entrepreneurship Development and Innovation Cell, UIIC, REVA University in association with School of Mechanical Engineering organized and conducted a talk on Entrepreneurship Simulation on 20th of September to the students of B.Tech Students, School of Mechanical Engineering. 60 students attended the session for the same.

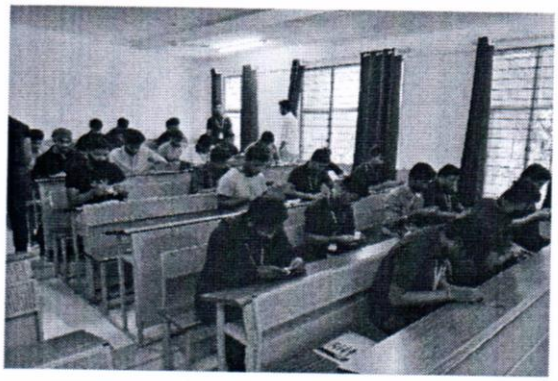
The training was conducted by resource persons, Mr. Murali and Mr. Naveen who have delivered talks on entrepreneurship in various institutes.

We would like to thank our Honourable Chancellor Dr. P. Shyama Raju Sir for providing all facility and supporting to organize such events. We also thank Vice Chancellor Dr. S.Y. Kulkarni**,** Registrar Dr. M. Dhanamjaya, Dean, Placement, Training, and Planning Dr. N. Ramesh**.** We would like to thank Dr. K. S. Narayanaswamy, Director - School of Mechanical Engineering, for providing all the facilities, support and encouragement towards organizing the sessions. We also thank to Dr. Kiran Kumari Patil, Director, University Industry Interaction Center, for the involvement in taking up and organizing the Program.

We thank the coordinators and all the staff members involved for the successful conduction of the session.

Photographs:





Director
School of Mechanical Engineeri
REVA University
Rukmini Knowledge Park, Kattigenah
Yelahanka, Bengaluru - 560 064

REVA UNIVERSITY
Bengaluru, India
Established as per the section 2(f) of the UGC Act, 1956,
Approved by AICTE, New Delhi

Report on

"Entrepreneurship Awareness Camp #3"

In REVA University

Students: B.Tech Students, School of Mechanical Engineering

Venue: CNR Rao Hall and Aryabhatta Seminar hall at Sir C V Raman Block, REVA University

Dates: 11/11/2019 to 13/11/2019

Organized By: UIIC, REVA University

Innovation & Entrepreneurship Development Cell (IEDC), UIIC, REVA University organized the third Entrepreneurship Awareness Camp of the 2019-20 academic year from 11th November 2019 to 13th November 2019 where 87 students participated within the sessions and the industry visit.

Day 1:

The inauguration was held at 9:30 AM which was presided by our honorable vice chancellor, Dr. S. Y. Kulkarni. The chief guest for the inauguration was Mr. Kashinath M Patnasetty, Head-VAS & Application Support Group at Ace Designers Ltd. 87 students attended the sessions on Day 1 where Mr. Kashinath M Patnasetty conducted a session on "Identification of Business opportunities & mechanism of product selection" along with a session on "Technology- assistance from R&D labs & other institutions on choice of technology". Mr Ajay Karthik founder of CBS Chemicals conducted the noon sessions on "How to start a SSI unit" and "Technical and Commercial aspects of a SSI Unit".

Day 2:

Sessions on entrepreneurship were conducted on Day 2. Manjunath V.S, Professor, School of Management Studies, REVA University conducted a session on "Why Entrepreneur (General

Concept) and “Historical Background- Indian values vis-a- vis Entrepreneurship & the present scenario.”

Mr. Anil Kumar, Consultant, Trainer, Mentor of several start-ups & founder of Indian Nexus Enterprises, conducted sessions on "Financial Aspects of SSI unit including salient features of project report" and "Schemes of assistance and support available from Govt. agencies, banks, financial institutions, SFCs"

Day 3:

An industry visit was conducted for the students in the morning session of day 3. The organization chosen for industry visit were “ACE Designs Limited” and “Synergy Punching Private Limited”, both located in Peenya Industrial Area, Bangalore.

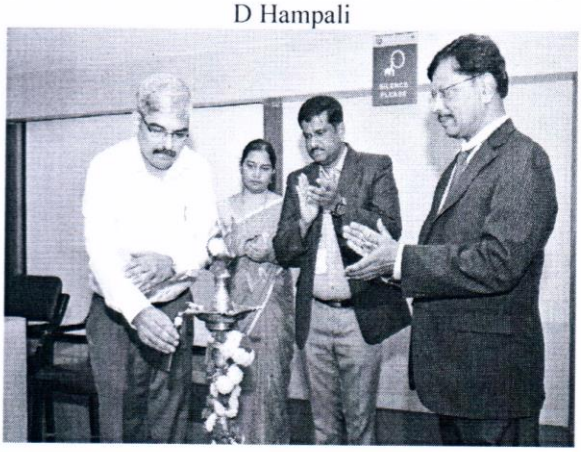
Mr. Debashis Prusty, Co-Founder of Blooms Mobility Technology conducted sessions on "Creativity & Business - The man behind the venture - The behavioral scientist approach" and "Communication skills for better results in business." which concluded Day 3 of the Entrepreneurship Awareness Camp #3.

We would like to thank our Honorable Chancellor Dr. P. Shyama Raju Sir for providing all facility and supporting to organize such events. We also thank Vice Chancellor Dr. S.Y. Kulkarni**,** Registrar Dr. M. Dhanamjaya, Dean, Placement, Training, and Planning Dr. N. Ramesh**.** We would like to thank the director of school of Mechanical Engineering, Dr. K S Narayanaswamy for providing all the facilities, support and encouragement towards organizing the sessions. We also thank to Dr. Kiran Kumari Patil, Director, University Industry Interaction Center, for the involvement in taking up and organizing the Program.

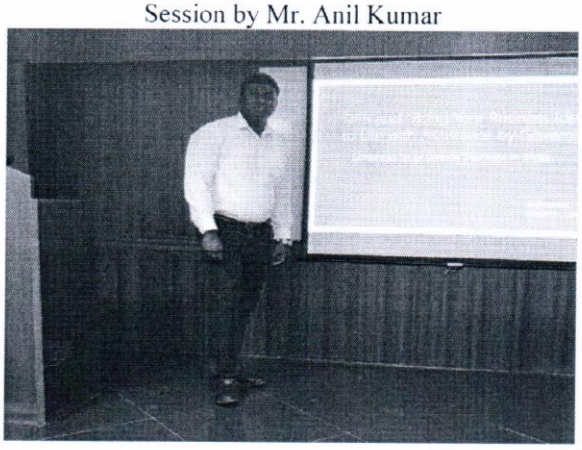
We thank the coordinators and everyone involved for the successful conduction of sessions today. UIIC is proud to be a part of the motivation and inspiration for the youth of the nation to begin their journey in entrepreneurship.

Photographs:

Lighting the Lamp with Dr. K.S. Narayanaswamy, Dr. Kirankumari Patil, Mr. Kashinath M and Dr. C D Hampali

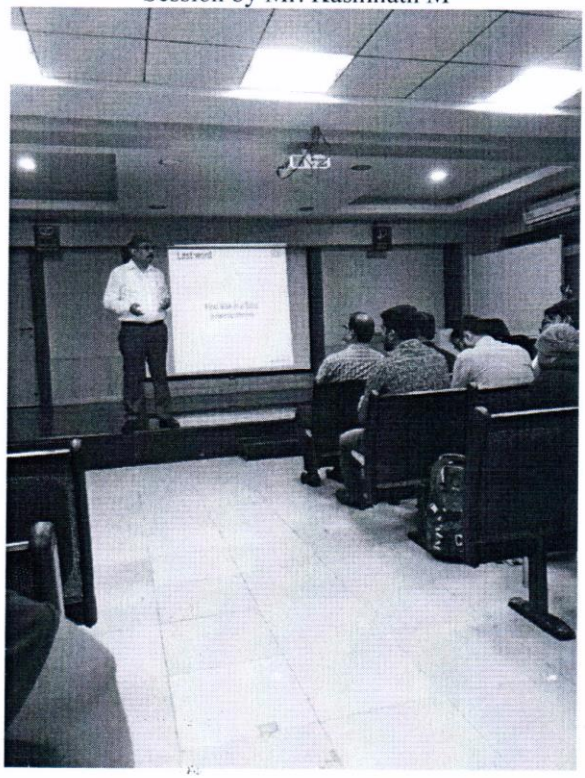


Session by Mr. Anil Kumar



Session by Prof. Manjunath V S

Session by Mr. Kashinath M



Director
School of Mechanical Engineering
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Rukmini Knowledge Park, Kattigenahalli
Yelahanka, Bengaluru - 560 064

REVA UNIVERSITY
Bengaluru, India

Indian Technology-Innovation & Entrepreneurship Conclave

03-04 January 2020, REVA University, Bengaluru

Dear All,

REVA University in collaboration with Institution's Innovation Council (IIC), Ministry of HRD, New Delhi has successfully organized **Indian Technology-Innovation & Entrepreneurship Conclave on 3rd and 4th January 2020 in REVA University Campus.** Indian Technology Innovation & Entrepreneurship Conclave (I-TEC) forms an inspirational multi-disciplinary platform for greater exchange and learning, deepening of technology abilities, synergistic utilization of resources and partnership development. The conclave connects innovators, hackathon and ideathon enthusiasts, designers, researchers, incubatee companies, faculty advisors, industries, institutional heads and policy makers.

This conclave has been inaugurated by **Dr.K.K.Aggarwal,** Chairman – NBA in the august presence of Dr. P Shyama Raju, Chancellor - REVA University, **Dr.S.Y.Kulkarni**, Vice Chancellor, REVA University, **Dr.M.Dhanamjaya**, Registrar, REVA University and **Dr U Chandrasekhar,** Director - Addwize, Wipro-3D. The conclave witnessed the evaluation of 137 Research proposals presented by faculty members and 237 innovation proposals presented by students from different Institutions / Universities across India. It also witnessed workshops on research, funding, 3D printing and Teaching learning. The research and innovation proposals were evaluated by Expert panel members. In total, six proposals were approved by Expert panel members and were awarded. Out of six proposals awarded, REVA University bagged two awards - one from faculty and one from student category. **Mr. Yogi Sriram** Senior Vice President- Larsen & Toubro was invited as the Chief Guest and **Dr John Nesan**, CEO, CTARS was the Guest of Honour. **Dr. P Shyama Raju**, Chancellor - REVA University, **Dr.M.Dhanamjaya**, Registrar, REVA University and **Dr U Chandrasekhar,** Director - Addwize, Wipro-3D were present for many sessions.

Following are the workshops/technical talks delivered by distinguished speakers from Reputed Industry and Academia.

1. Design and 3D Printing of World's Largest 3D Printed Ganesha Idol with a Bahubali FDM Printer– A Start-up Story of Research, Innovation and Entrepreneurship by **Mr. Akash**, CEO, Aha 3D, Jaipur
2. Strategies for carrying out industry aligned research and consultancy projects in design, analysis and Metal Additive Manufacturing by **Dr. U. Chandrasekhar**, Program Director - Addwize, Wipro 3D
3. Supporting startups in a University for developing proof-of-concepts and market-ready business models: Best practices from Institutions of Eminence" – **Dr. A. Balachandran**, VIT TBI, VIT University, Vellore
4. Design the X- factor in Technology, Innovation and Academics pursuits by **Dr Sanjay Gupta**, VC, World University of Design
5. Multi-disciplinary Research from Drones to Medical Innovation- Best practices in working for Research Bodies and Funding by **Dr. K. Venkatesh,** Director, CIIRC
6. R&D funding programs and Research Development Boards of DRDO for advanced research in aeronautics, materials and systems by **Dr. Rajeev Jain**, Scientist G & Technical Director, GTRE-DRDO
7. DSIR funding scheme to support Research and Innovation by Shri. **T. Karthikeyan**, Scientist, NAL-CSIR
8. BIRAC & MSME projects on Innovative Medical Devices by **Prof. K. Maran**, Velammal College of Engineering
9. International R&D Projects in collaboration with International Institutions (ASEAN, France & Sweden) under DST-GITA Funding by **Dr. M. S. Santosh**, Assoc. Professor – CIIRC.
10. Developing programs in Virtual Reality, AR, 3D Printing, IOT and Industry 4.0 through industry partnerships for enhancing Academics and Innovation by **Mr. Sridharan. V**, Global Logic & Former Chief Executive Sastra TBI.
11. Supporting Innovation and Research activities of women entrepreneurs through an integrated approach – Best practices in research on assistive devices by **Dr. G. Srinivasa Rao**, Principal, SVECW
12. Digital Dentistry- An interplay of Medicine, Software Engineering and 3D printing for developing Innovative Dental Practices by **Dr John Nesan**, CEO, CTARS.
13. Ideas to Product by **Dr. Ameet Chavan,** Professor & Dean (Innovation and Research) School of Electronics (ECE), Sreenidhi Institute of Science and Technology (SNIST)
14. Product based learning to enhance academic, research and funding practices by **Mr. Vivek Sabnis**, CEO, NETRA-RIT TBI

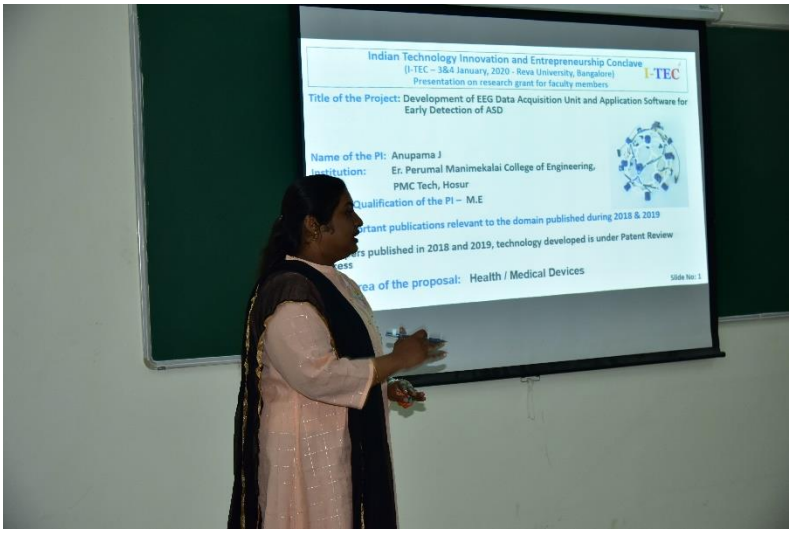
15. FEM Analysis and Practical Case Studies, automotive, aerospace and energy sectors, R & D projects and employment potentials by **Mr. K. Kumar**, Professor in Mechanical engineering and formerly at Infosys.
16. Artificial Intelligence and Machine Learning programs for Technical Institutions and Universities by **Mr. R. Sreenivas**, CCO, CL Educate
17. Scaling up of Innovation Ideas to Million Dollars Business Models – Challenges and Opportunities" – **Mr. R. Satyanarayan,** Chairman and Executive Director, CL (WAIN Connect).
18. Defense Lab Consultancy from Proposal Submission to Execution by **Dr. Joydeb Chattopadhyay**, Outstanding Scientist & Director SPIC, DRDO, New Delhi.
19. ISRO-RESPOND program for supporting research in environmental studies using Drones and Satellite Data – Experience from Arctic Expedition by **Dr. M. Geetha Priya**, Professor – CIIRC
20. Sourcing and utilisation of funds for successful business operations and case studies by **Dr. Cyril P Raj,** MSEC DST-IEDC
21. Life Sciences – Innovation, Research and Advancements by **Dr. N. S. Kumar**, Scientist G, DEBEL
22. Experience in handling R&D projects of BRNS Programs of Department of Atomic Energy (DAE) by **Dr. N. Sucheta Kumari**, Professor, NITTE University
23. Research, Innovations and Entrepreneurship opportunities in Nanotechnology by **Mr. A. Rambabu**, CTO, Elvikon India Pvt ltd, Hyderabad
24. Future Ready Engineers CDIO Frame Work by **Dr. techn.Koteswara Rao Anne,** Director Academics, **Dr. P. Sarasu**, Director Industry Relations & Director R&D and Dr. A. Abudhahir, Director Quality Assurance & Dean FME, Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology, Chennai.

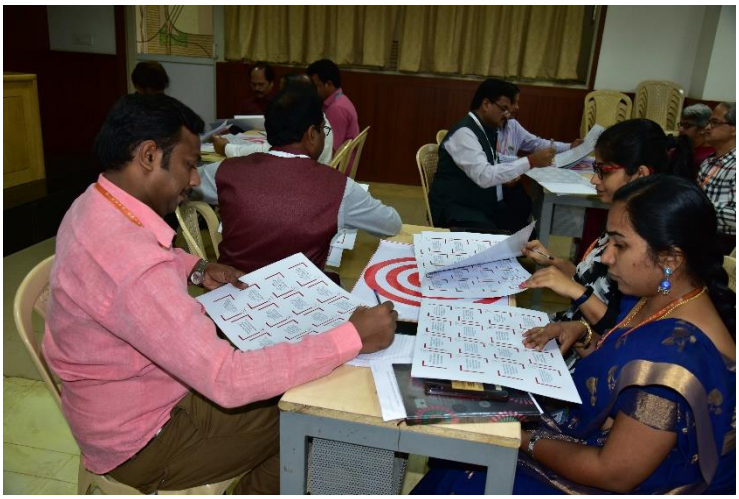
The outcome of this conclave is

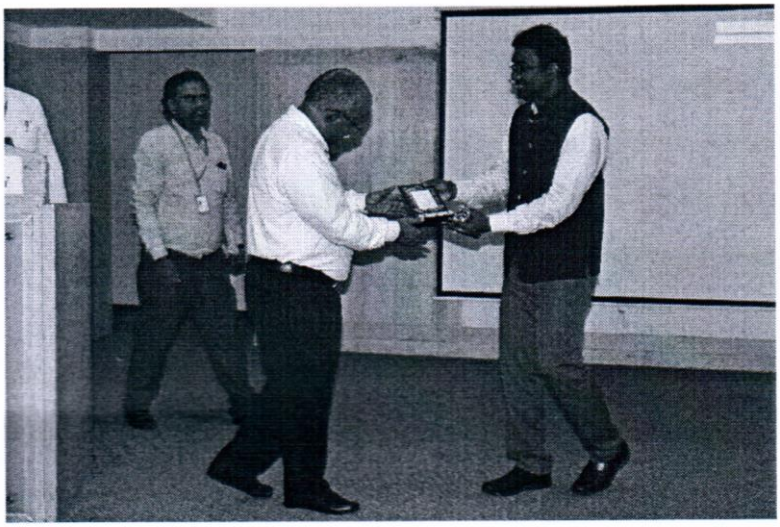
- This conclave is a meeting point for innovators, institution builders, industries, policy makers and researchers for sharing and growing together.
- Focussed on learning from successful institutions and implementing for intuitional growth.
- How to develop innovative projects and seek grants for supporting innovation of students and faculty - is the most important question that this conclave addressed.

Everyday uses of ML

KINDLY SWITCH OFF
MOBILE PHONES
Technology behind the innovation:
Conversion of water molecules into oxyhydrogen
by electrolysis method produce required energy
the running of vehicle engine.
Hydrogen
Oxygen
2H2 + O2 = 2H2O


Indian Technology Innovation and Entrepreneurship Conclave
(I-TEC – 3&4 January, 2020 - Reva University, Bangalore)
Presentation on research grant for faculty members
I-TEC
Title of the Project: Development of EEG Data Acquisition Unit and Application Software for Early Detection of ASD
Name of the PI: Anupama J
Institution: Er. Perumal Manimekalai College of Engineering, PMC Tech, Hosur
Qualification of the PI – M.E
Health / Medical Devices





Director
School of Mechanical Engineering
REVA University
Rukmini Knowledge Park, Kattigenahalli
Yelahanka, Bengaluru - 560 064

School of Mechanical Engineering
Technical Talk
On

"Electrical Safety Measures"

School: Mechanical Engineering

Venue: School Seminar Hall, School of Mechanical Engineering, Sir M V Block

Date: 4th February 2020

Year: 2020

Description of Event:

The School of Mechanical Engineering had organized technical talk for 8th semester students, on the topic **"Electrical Safety Measures"** on Tuesday, 4th **February 2020** between 10.00 AM to 11.30 AM. Over 150 students 8th semester A,B & C section and 4 faculty member of Mechanical Engineering are benefited from this talk. The talk was given by **Dr. Rajashekar P Mandi , Director, School of EEE, REVA University.**

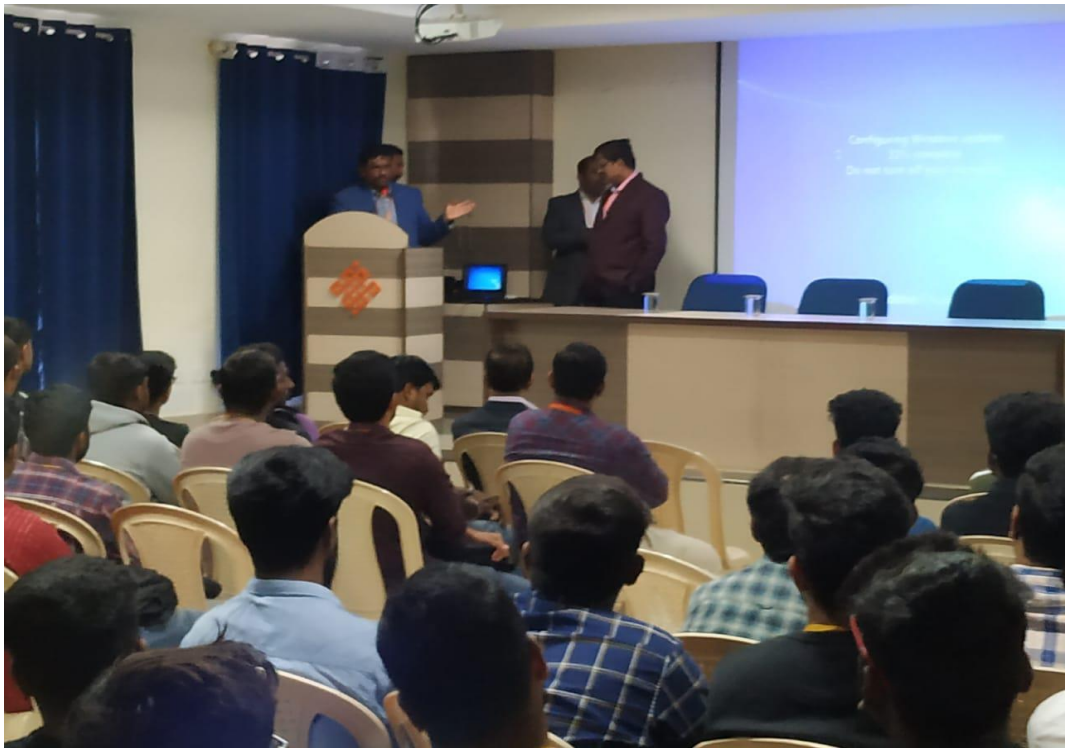
Talk focused on the following key points:

1. Dangers occurrence of electrical equipment.
2. Basic safety controls and practices at work
3. Loose connection in house hold appliances and commercial application.
4. Hazards of electricity and precautions to overcome the hazards.
5. Electrical safety standards, procedures and rules.
6. Case studies related to electrical safety.

Following are the outcomes achieved with this technical talk:
Student will be able to :

1. Explain the importance of electrical safety in daily life.
2. Identify the various components in safety such as life-support equipment, alarm systems, proper ventilation and lighting required for safe working
3. Apply simple electrical safety rules in working area like industry or in home

Photographs:



Dr K S Narayanaswamy, Director School of Mechanical Engineering

Students and Faculty members, school of Mechanical Engineering

Coordinator:

Prof.Madhu B P

Dr Shivasaranayya Swamy

Prof. Balaji S

Prof. Sharan Teja Reddy

Director/School of ME

Director
School of Mechanical Engineering
REVA University
Rukmini Knowledge Park, Kattigenahalli
Yelahanka, Bengaluru - 560 064

School of Mechanical Engineering

Three Days Faculty Development Program
On
"ANSYS Fluent Hands-on-training"

Schools: Mechanical Engineering

Venue: CAMD Lab-II, Sir.M.V.Block

Date: 6th January 2020 to 9th January 2020

Year: 2020

Description of Event:

The School of Mechanical Engineering, REVA University in Association with ARK Info solutions Pvt. Ltd, Bangalore, has conducted three Day Faculty Development Programme on "**ANSYS Fluent Hands-on-training**" training from 6th January 2020 to 9th January 2020 at **CAMD lab, Sir M V block ,** REVA University, Bangalore.

The Programme was started with an introduction of resource person by Dr. C D Hampali. The hands on training included a session on introduction to Heat transfer and Fluid flow related to Computational fluid dynamics.

ABOUT THE WORKSHOP:

Ansys Inc develops and markets finite element analysis software used to simulate engineering problems. ANSYS is a general purpose software, used to simulate interactions of all disciplines of physics, structural, vibration, fluid dynamics, heat transfer and, electromagnetic for engineers. ANSYS can work integrated with other used engineering software on desktop by adding CAD and FEA connection modules. The software creates simulated computer models of structures, electronics, or machine components to simulate strength, toughness, elasticity, temperature distribution, electromagnetism, fluid flow, and other attributes.

More than 40,000 customers worldwide use ANSYS solutions, including 96 of the top 100 industrial companies on the FORTUNE 500 list. They represent a wide range of industries: aerospace, automotive, defense, electronics, energy, materials and chemical processing, turbomachinery, consumer products, healthcare, sports and many others. These customers are

designing new rockets for space exploration, autonomous automobiles, advanced implantable medical devices and patient-specific treatment procedures, supersonic trains, more efficient Wind turbines and solar energy solutions, ever-smaller electronics for smartphones and computers, and embedded software for devices comprising the Internet of Things — to name only a few applications.

Resources persons:

Kailas Jagtap, Application Engineer, ARK info solutions Pvt.Ltd

Faulty development program focused on the following key points:

1. To utilize the CFX toll to simulate the certain experiments of Heat and Mass Transfer Lab and Fluid Mechanics Lab.
2. To design, experiment and simulate the real world experiments on virtual platform.

Following are the outcomes achieved with this Expert talk

1. Understanding of the basics of the Ansys and CFD as a designer tool and for Project based learning
2. Acquired Knowledge can utilize for Student development.

The resource person has provided best possible training to utilize CFX to simulate the experiments of Heat and Mass Transfer Lab and Fluid Mechanics Lab.

We would like to thank our beloved Chancellor **Dr. P. Shyama Raju** for providing all facility and support to conduct such Events. We also thank Vice Chancellor **Dr. S.Y. Kulkarni,** Registrar **Dr. M. Dhanamjaya**, Dean, Placement, Training, and Planning for their constant support in organizing such events.

We also thank our beloved Associate Dean **Dr. Y Ramalinga Reddy** and Director **Dr. K S Narayanaswamy** for his constant support and Guidance.

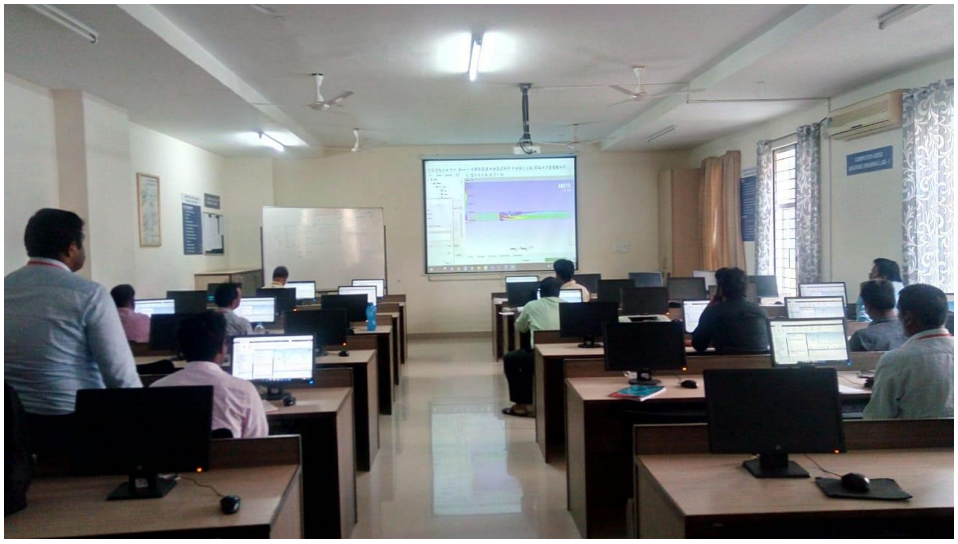
Coordinators:

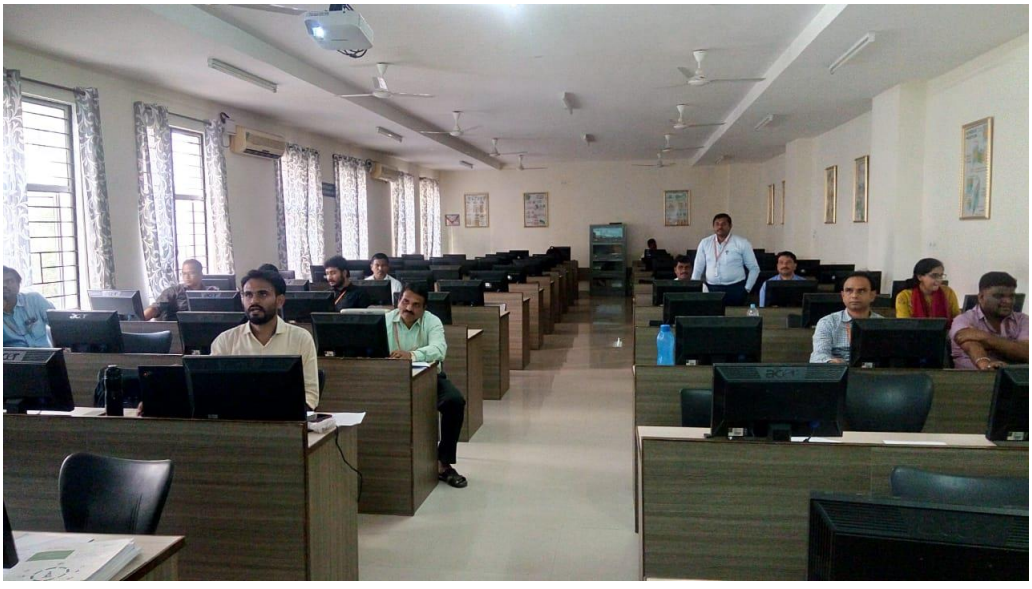
Dr. C D Hampali
Prof. Varun Kumar Reddy N
Prof. Madhu B P

Director

School of Mechanical Engineering

Director
School of Mechanical Engineering
REVA University
Rukmini Knowledge Park, Kattigenahalli
Yelahanka, Bengaluru - 560 064





School of Mechanical Engineering
ISHRAE Student Chapter REVA
&
ASHRAE Bengaluru Chapter

Technical Talk on Thermal Insulation System for Energy Efficient Green Buildings

Venue: Seminar Hall, Room No: 107A, Sir MV Block

Date: 07-02-2020

Year: 2019-2020

Description of the event:

ISHRAE Student Chapter REVA, School of Mechanical Engineering and ASHRAE Bengaluru Chapter had organized Technical talk for 6th semester students of Mechanical Engineering, REVA University on **"Thermal Insulation System for Energy Efficient Green Buildings"** on Friday, 7th February, 2020 between 10.45 AM to 12.10 PM. Around 100 students from 6th semester B section and students of R&AC soft core of Mechanical Engineering are benefited from this technical talk. The talk was given by **Mr. K K Mitra, Sr Vice President, Lloyd Insulations India Limited.** He is past president of ASHRAE India chapter and also a member in various technical committees in Govt of India for standardization of cold storages and center for cold chain development. As part of the curriculum of Refrigeration & Air conditioning course the students should understand the importance of insulation and various methods to be used to provide insulation. This talk also provides exposure of students to various employment opportunities in the field of Green building technology.

The talk focused on the following key points:

1. Heat transfer in the building due to solar radiation
2. Need of insulation to avoid heat transfer to the buildings
3. Types of insulating materials used for roof insulation, cold pipe insulation.
4. Case studies: Metro projects, airports, hospitals.

Following are the outcomes with this Expert talk

1. Heat transfer to the buildings from solar radiation.
2. Students were able to understand various types of insulation used in commercial applications
3. Selecting of suitable material for thermal insulation in buildings and cold storages
4. Employment opportunities for mechanical engineers in building segment.

Coordinator:

L R Jagadeesh

Photos:

Director/School of ME

Director
School of Mechanical Engineering
REVA University
Rukmini Knowledge Park, Kattigenahalli
Yelahanka, Bengaluru - 560 064

ASHRAE

REVA UNIVERSITY

School of Mechanical Engineering

Hearty Welcomes You for

Technical Talk on

Thermal Insulation System for Energy Efficient Green Buildings

By

Mr. K.K. Mitra

Sr. Vp Tyco Foundations Limited

Jointly Organized by

ASHRAE Bangalore Chapter &

REVA University Student Branch

WHAT THERMAL INSULATION CAN DO

THERMAL INSULATION

REVA UNIVERSITY
Bengaluru, India

School of Mechanical Engineering

Technical Talk

On

"Creative Thinking and TRIZ Concepts"

School: Mechanical Engineering

Venue: School Seminar Hall, School of Mechanical Engineering, Sir M V Block

Date: 8th February 2020

Year: 2020

Description of Event:

The School of Mechanical Engineering had organized technical talk for Faculty members of school of mechanical engineering on the topic **"Creative Thinking and TRIZ concepts"** on Saturday, 8th **February 2020** between 11.00 AM to 12.30 AM. Over 30 Faculty members of Mechanical Engineering are benefited from this talk. The talk was given by **Mr. Narendar. V. Senior Manager - R & D- Renal products, Baxter India, Bangalore.**

Talk focused on the following key points:

- Importance of Creative thinking with respect to new product development and Innovation.
- Discussed about Creative thinking methods with three case studies.
- Introduction to TRIZ and its 40 principles.
- Speaker explained about 40 principles with examples.
- TRIZ matrix and its uses.
- He also explained how these TRIZ principles helped him to solve must of his technical problems and also helped to earn four global patents.

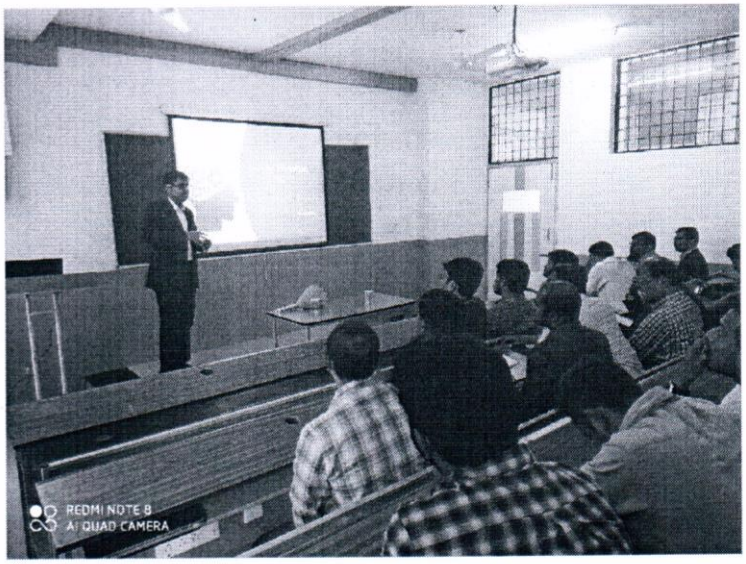
Following are the outcomes achieved with this technical talk:

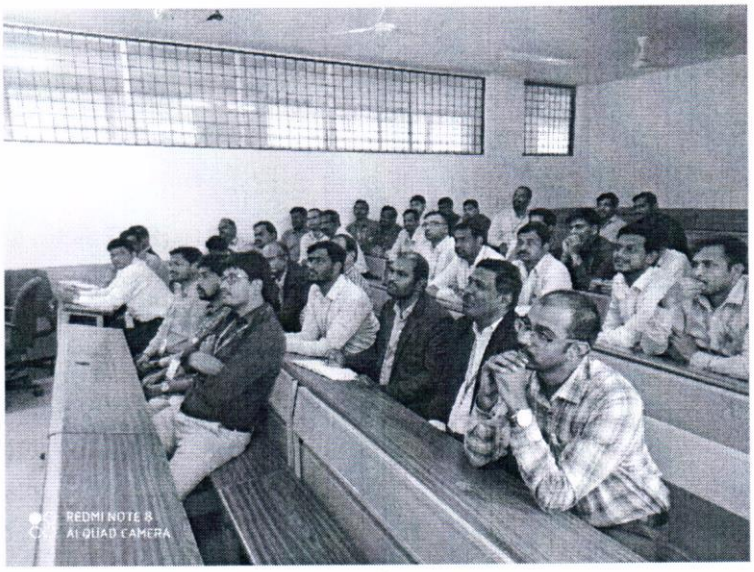
- Concepts of creative and its importance with related to new projects at the university
- Application of TRIZ principle to both Student and faculty projects
- It may help some of the faculty members in developing new concepts which might be potential to be patented.

Photographs:

Dr K S Narayanaswamy, Director School of Mechanical Engineering

Mr. Narendar .V. Senior Manager –R&D Renal products, Baxter India





Faculty members, school of Mechanical Engineering

Coordinator:

Prof. Rajesh K R

Director/School of ME

Dr. Narayana Swamy

Director
School of Mechanical Engineering
REVA University
Rukmini Knowledge Park, Kattigenahalli
Yelahanka, Bengaluru - 560 064

REVA UNIVERSITY
Bengaluru, India

School of Mechanical Engineering

Technical Talk on Industrial IOT

Venue: On Line Through Microsoft Team

Date: 19-04-2020

Year: 2019-2020

Description of the Event:

School of Mechanical Engineering had organized Technical talk for faculties of Mechanical Engineering, REVA University on **"Industrial IOT"** on Sonday, 19th April, 2020 between 3;00 PM to 4.20 PM. Around 60 faculties are benefited from this technical talk. The talk was given by **Mr. Arun Raj, Adriotec Engineering.** The talk was arranged to get an exposure on Internet of Things applicable to Industry. At present all industry working towards Industry 4.0. New method of making the products and new way of servicing will be the focus of the industry. Most of the industries are working with the support of digital platform such as E-manufacturing, Artificial Intelligence and robotics.

The talk focused on the following key points:

1. Definition and meaning of IOT
2. Implementation of IOT
3. Case study of IOT
4. Opportunities for research, internship and employement

Following are the outcomes with this Expert talk

1. IOT: Meaning importance
2. Understanding of components required to make use of IOT
3. Able to do research on IOT
4. Employment opportunities for mechanical engineers in IOT related industry and custom build IOT.

Coordinator:

L R Jagadeesh

Director/School of ME

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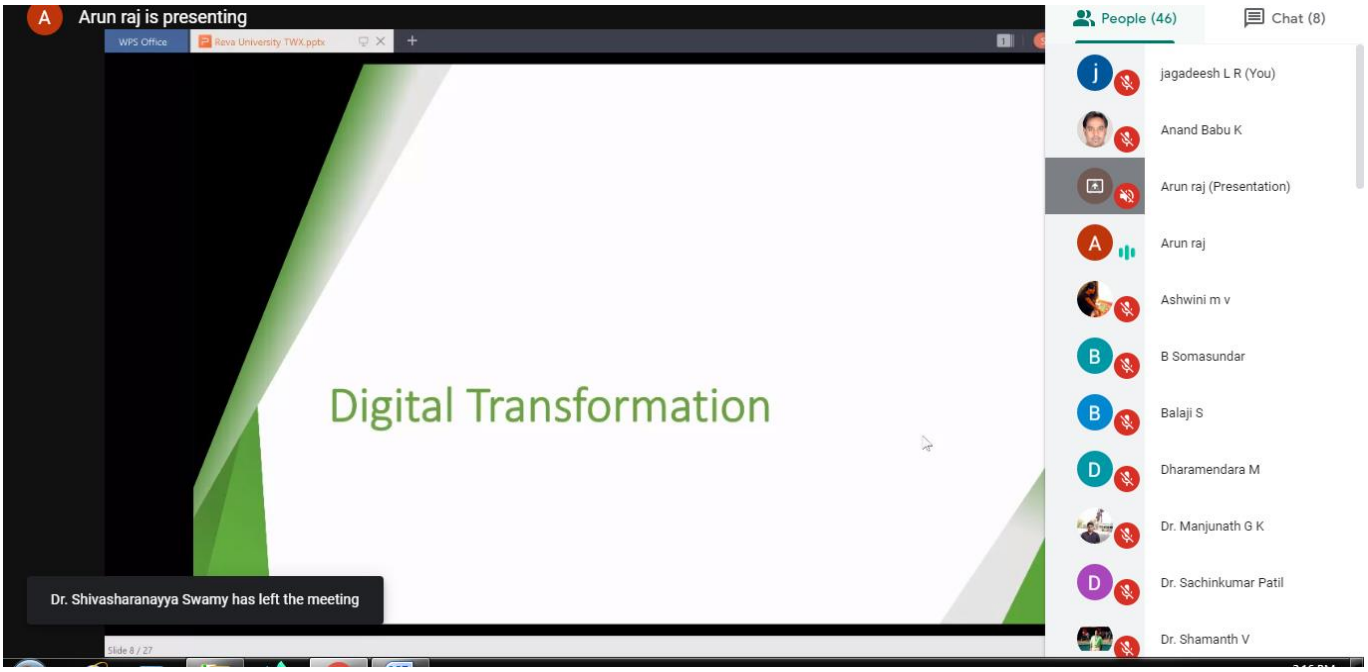
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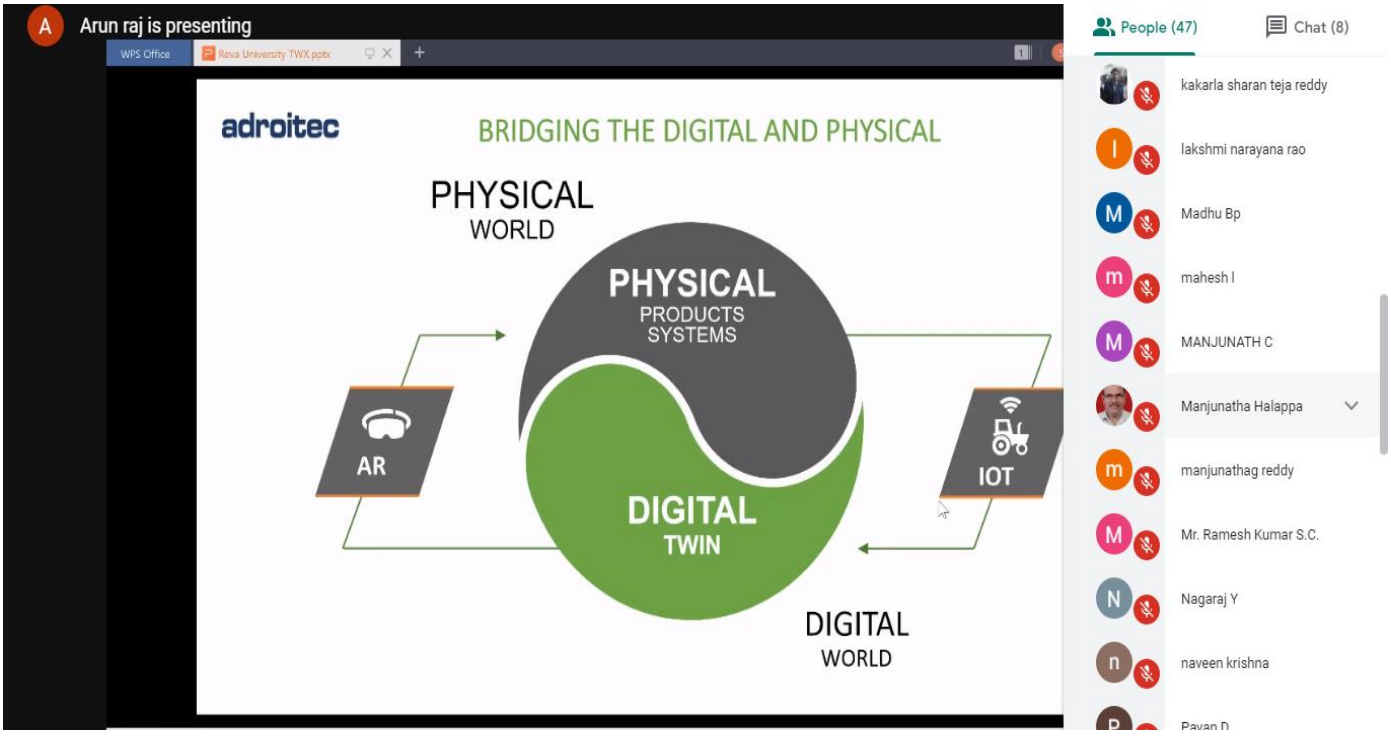
Dharamendara M
Dr. Manjunath G K
Dr. Sachinkumar Patil
Dr. Shamanth V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Nagaraj Y
naveen krishna

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TRW
Continental
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PIAGGIO
HARMAN
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Industrial
JOHN DEERE
YORK
MITSUBISHI
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Bosch Group
ITT
TurboCare
Babcock Power
Otis
CATERPILLAR
ABB
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COACH
Newell Rubbermaid
HermanMiller
Liz Claiborne
adidas
MOEN
patagonia
LANDS' END
Whirlpool
Limitedbrands
BLACK&DECKER
Medical Devices
stryker
GE Healthcare
Boston Scientific
SYNTHES
Medtronic
COVIDIEN
Abbott
Alcon
St. Jude Medical
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Meeting details
Turn on captions
Arun raj is presenting

Arun raj is presenting
varun reddy and 45 more
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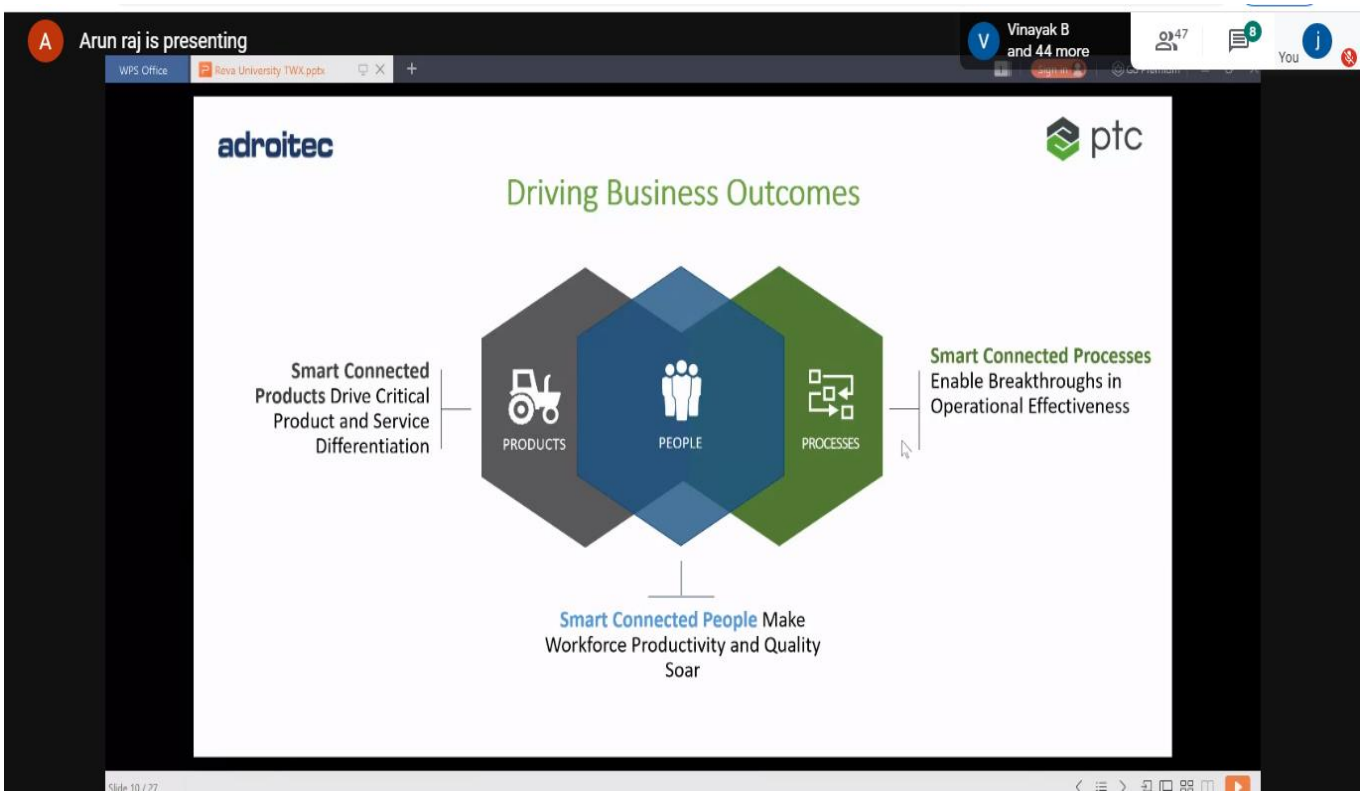
INDUSTRIAL IOT IS TRANSFORMING BUSINESS
50 Billion connected devices by 2020
McKinsey Associates
43 Zettabytes of data monthly by 2020
Gartner Associates
72% of companies agree a digital business model is critical for success
IDG Research
47% of companies believe traditional business model obsolete by 2020
Harvard Business Review
79% of companies see predictive and prescriptive machine maintenance as the number one app.
IoT Analytics


Arun raj is presenting
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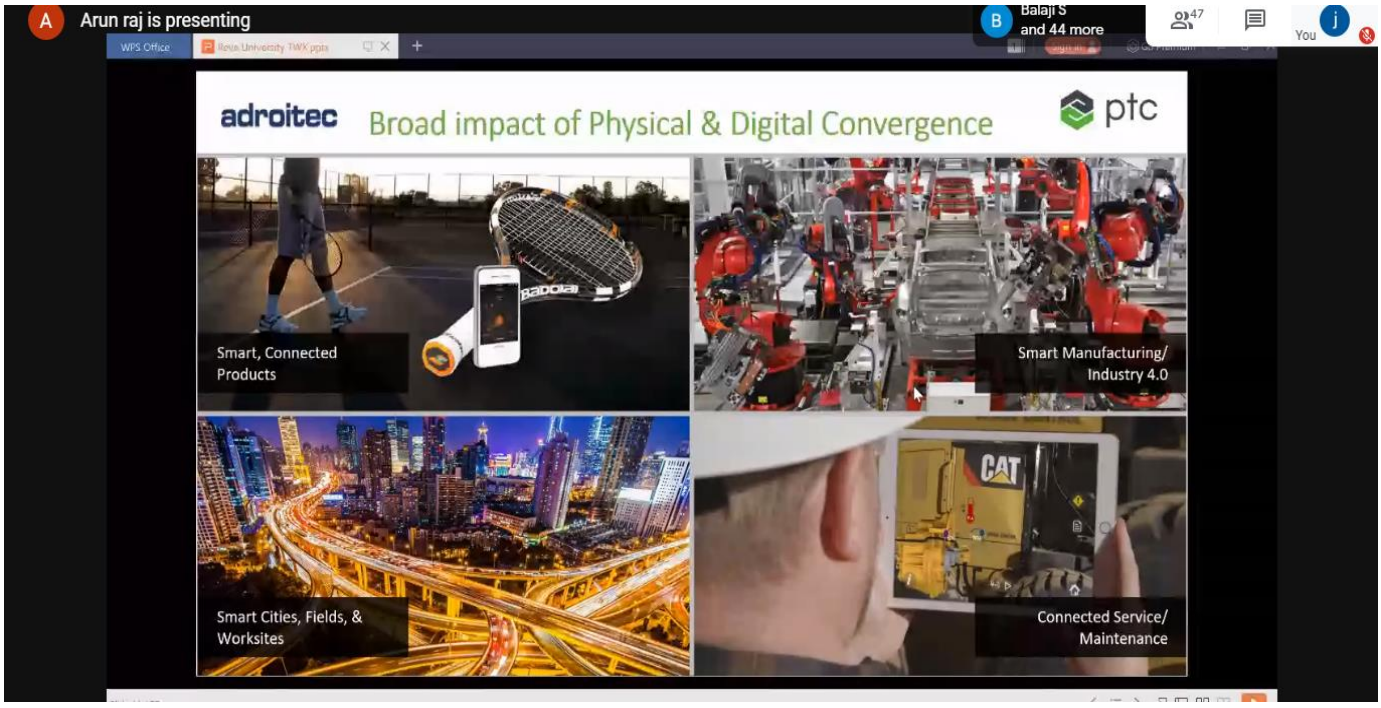
Driving Business Outcomes
Smart Connected Products Drive Critical Product and Service Differentiation
PRODUCTS
PEOPLE
PROCESSES
Smart Connected Processes Enable Breakthroughs in Operational Effectiveness
Smart Connected People Make Workforce Productivity and Quality Soar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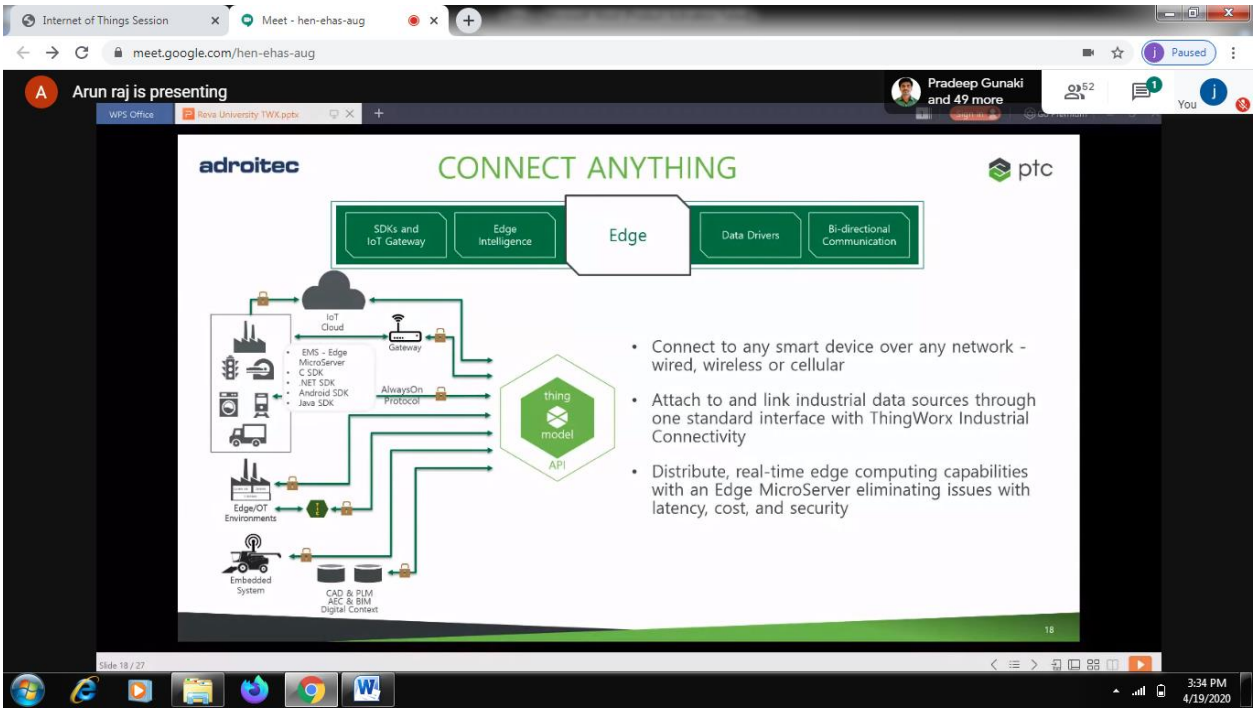
Broad impact of Physical & Digital Convergence
ptc
Smart, Connected Products
Smart Manufacturing/ Industry 4.0
Smart Cities, Fields, & Worksites
Connected Service/ Maintenance

Arun raj is presenting
Sharath Gs and 46 more


Internet of Things Session
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meet.google.com/hen-ehas-aug
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Arun raj is presenting
Pradeep Gunaki and 49 more
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CONNECT ANYTHING
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Edge Intelligence
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Data Drivers
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IoT Cloud
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EMS - Edge MicroServer
C SDK
.NET SDK
Android SDK
Java SDK
AlwaysOn Protocol
thing
model
API
Edge/OT Environments
Embedded System
CAD & PLM AEC & BIM Digital Context
Connect to any smart device over any network - wired, wireless or cellular
Attach to and link industrial data sources through one standard interface with ThingWorx Industrial Connectivity
Distribute, real-time edge computing capabilities with an Edge MicroServer eliminating issues with latency, cost, and security
18
Slide 18 / 27
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4/19/2020

REVA UNIVERSITY
Bengaluru, India

Technical Talk on Modelling, Simulation and FEM

School: Mechanical Engineering

Venue: Seminar Hall, Room No: 107A, Sir MV Block

Date: 29-01-2020

Year: 2019-2020

Description of the event:

The School of Mechanical Engineering had organized Technical for 6th semester D and E section students of Mechanical Engineering, REVA University on **"Modelling, Simulation and FEM"** on Wednesday, 29th January, 2020 between 02.00 PM to 3.20 PM. Around 100 students of 6th semester D and E section and 06 Faculty members of Mechanical Engineering are benefited from technical Talk, **Dr Dilip K Mahanty, Vice Chairman, NAFEMS India Operations**, Bangalore-560043, was the resource person.

Talk focused on the following key points:

1. Introduction to Modelling and Simulation.
2. Need of Modelling and Simulation in solving engineering problems.
3. Importance of numerical methods in soling complex structures.
4. Application of Finite Element Methods (FEM) with respect to industrial problems.

Following are the outcomes with this Expert talk

1. An ability to describe the need of Modelling and Simulation & its application.
2. An able to select suitable Finite Element Methods to solve the engineering problem.
3. An able to select different Finite element for a given problem by applying boundary conditions.
4. An able to choose suitable FEM software from the different software available.

Coordinators:

Dr Mahesh L

Prof. Karthik S

Director/School of ME

Director
School of Mechanical Engineering
REVA University
Rukmini Knowledge Park, Kattigenahalli
Yelahanka, Bengaluru - 560 064

Photos:

REVA UNIVERSITY
Technical Talk on
"Modelling, Simulation and Finite Element Methods"
Name of the presenter: Dr Dilip K Mahanty
Professor
Department of Mechanical Engineering
MKMS University, Mumbai
Date:29/01/2020
Time: 2 PM
Venue: Seminar Hall, School of Mechanical Engineering

SYSTEM, MODEL, MODELLING & SIMULATION

REVA
REVA
REVA

REVA UNIVERSITY
Bengaluru, India

Technical Talk on Modelling, Simulation and FEM

School: Mechanical Engineering

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School of Mechanical Engineering
REVA University
Rukmini Knowledge Park, Kattigenahalli
Yelahanka, Bengaluru - 560 064

Photos:

REVA UNIVERSITY
Technical Talk on
"Modelling, Simulation and Finite Element Methods"
Name of the presenter: Dr Dilip K Mahanty
Professor
Department of Mechanical Engineering
NMIMS University, Mumbai
Date:29/01/2020
Time: 2 PM
Venue: Seminar Hall, School of Mechanical Engineering

SYSTEM, MODEL, MODELLING & SIMULATION

School of Mechanical Engineering
Report on

Online Technical Talk on "Medical Equipments and Medical Devices in Current Industry"

The School of Mechanical Engineering in Association with Thermetics Engineering Solutions had organized a **Technical Talk** on "**Medical Equipments and Medical Devices in Current Industry"** on 13.06.2020 at 6.45 PM IST.Around 178 Faculty members of various institutions are benified by this talk.

Resource person : **Mr. Venkat Reddy,** R & D Engineer CAE, **Health Care.**

- ❖ Masters in Thermal Engineering from VTU
- ❖ 10+ Years of experience in CAE Thermal and Medical Simulation
- ❖ Currently working in R and D Department Health care
- ❖ Work experience in Gas turbine research establishment,
- ❖ Aeronautical development establishment

Brief details about the Technical Talk :

The medical device industry is a heterogeneous, innovative, and dynamic sector. The global market for medical devices is huge, and it will continue showing a significant growth in the future. Medical devices are available in a wide range of sizes and are size adaptable to match with most patients' needs and anatomical differences.

Nevertheless, there is still enough room for patient-specific medical devices. In this regard, role of interdisciplinary engineers need to play with collaboration with industry.

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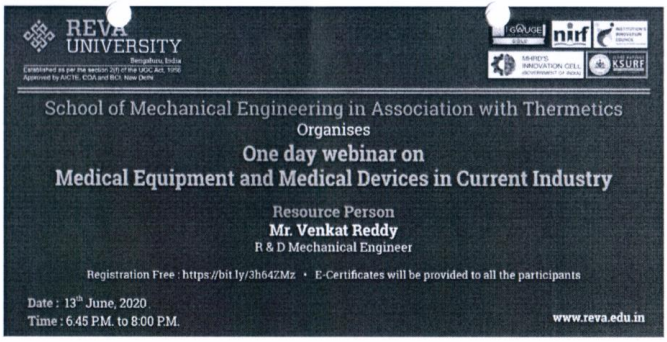

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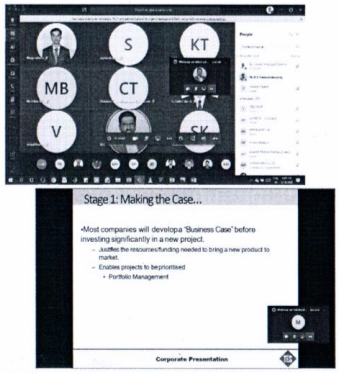

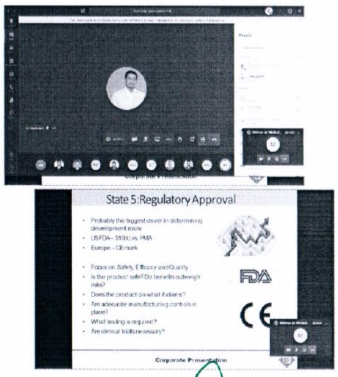

Director
School of Mechanical Engineering
REVA University
Rukmini Knowledge Park, Kattigenahalli
Yelahanka, Bengaluru - 560 064

Dear All,

As a part of ***Science Appreciation Club*** activity, we the School of Chemical Sciences, REVA University, Bangalore had organized a Safe "**Handling of Laboratory Glassware Interactive Training Program**" for the benefit of all the laboratory attenders, laboratory instructors, faculty members, research scholars and students of Chemistry at PG level on **23rd August 2019** from **11:00 AM – 12:00 PM** in the Science Block, School of applied Sciences, REVA University.

The expert lecture was delivered by

Mithun Kumar
Sr. Executive - Sales
Science and Industrial Products
Borosil Glass Works Limited
Chennai, India.

The Expert lecture focused on the following key points:

1. Basic knowledge of glassware
2. Technology behind glass manufacturing
3. Safe handling practices of laboratory glassware
4. Washing and storage practices
5. Avoiding glassware accidents

The talk follows interactive discussions and Q&A.

Following are the outcomes achieved:

- ✓ A general idea about glassware and methods involved behind glass manufacturing

- ✓ Inspect all the glassware before usage and discard defective glassware. Using glassware that matches the experiment
- ✓ Using personal protective equipment. Handling, carriage and storage practices. Trays and side-wall storage shelves at an appropriate height for safe handling.
- ✓ Cleaning glassware using a mild detergent solution and a soft brush to avoid abrasions and scratches
- ✓ Follow appropriate procedures to protect the glassware and to avoid to glassware accidents

We would like to thank the speaker, **Mithun Kumar,** Sr. Executive – Sales from Borosil Glass Works Limited for delivering the expert talk. We thank our Honorable Chancellor **Dr. P. Shyama Raju Sir** for providing all facility and support to organize club events. We also thank Vice Chancellor **Dr. S.Y. Kulkarni,** Registrar **Dr. M. Dhanamjaya**, Dean, Placement, Training, and Planning **Dr. N. Ramesh,** our beloved Director, School of Applied Science **Dr. Beena G** for providing all the facilities, support and encouragement towards academic activities of the school. We also thank all the faculties and students of the department of Chemistry for their support in smooth conduction of this event.

Thank you.

Dr. Nagendra G
Organizing Secretary &
Science Appreciation Club Co-ordintor

Dr. Madhusudhan Reddy M B
C-ordinator
School of Chemical Sciences.

BOROSIL
Next attachment

BOR
LEHR @ Borosil Factory

BOROSIL

BOROSIL

Dear All

As a part of ***Science Appreciation Club*** activity, we the School of Chemical Sciences, REVA University, Bangalore had organized a Guest Lecture on "**Peptide conformations**" on 3rd September **2019 at 11.30-1.00 PM** in the Dr. Junjappa Seminar Hall, 1St Floor, School of applied Sciences, REVA University for the students of MSc., Chemistry, Ist and III semester, Research scholars and Staff.

The expert lecture was delivered by

Dr. Narendra N PhD
Assistant Professor,
Dept. of Chemistry,
Tumkur University,
Tumkur.

The Expert lecture focused on the following key points:

1. Challenging tasks encountered during the assignment of stereochemistry of organic compounds
2. Enantiomers and Diastereomers
3. Differences b/w confirmations and conformations
4. Stereochemical assignment of peptide and proteins
5. Dr. Ramachandran plot-for predicting the structure of protein

The talk follows interactive discussions and Q&A.

Following are the outcomes achieved:

- ✓ Understanding the importance of organic/medicinal/biochemical structures
- ✓ Learning newer techniques for assigning the stereochemistry for biomolecules
- ✓ Prediction and application of Dr. Ramachandran Plot for determining the quarternaty structure of protein
- ✓ Understanding the importance of protein helices in bioactivities
- ✓ Identification and theoretical predictions of molecular structure conformations posed by long chain peptides
- ✓ The students explored to new methods in determining the structure of proteins and understanding the applications of Dr. Ramachandran Plot.

We would like to thank the guest speaker, ***Dr. Narendra N,*** *Assistant Professor, Dept. of Chemistry, Tumkur University, Tumkur* for delivering the industry expert talk. We thank our Honorable Chancellor **Dr. P. Shyama Raju Sir** for providing all facility and support to organize club events. We also thank Vice Chancellor **Dr. S.Y. Kulkarni,** Registrar **Dr. M. Dhanamjaya**, Dean, Placement, Training, and Planning **Dr. N. Ramesh,** our beloved Director, School of Applied Science **Dr. Beena G** for providing all the facilities, support and encouragement towards academic activities of the school.

We also thank all the faculties and students of the department of Chemistry and School of applied Sciences for their support in smooth conduction of this event.

Thank you.

Dr. Nagendra G
Organizing Secretary &
Science Appreciation Club Co-ordinator.

Dr. Madhusudana Reddy M B
Co-ordinator,
School of Chemical Sciences.

Pre-proline Ramachandran plot

Pre-proline Ram
100
0
50
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Peptide Conformations

Peptide Conformations

Peptide Conformations

Dear All

As a part of ***Science Appreciation Club*** activity, we the School of Chemical Sciences, REVA University, Bangalore had organized a "**Hands-on training session on CHEM DRAW Software**" towards application of the tools available for drawing the chemical structures on 4th September **2019 at 2.30-4.30 PM** in the Room no 106, 1St Floor, School of applied Sciences, REVA University for the MSc., Organic and Inorganic Chemistry students of Research scholars and Staff.

The expert lecture was delivered by

Dr. Nagendra G PhD
Assistant Professor,
Dept. of Chemistry, School of Applied Sciences
REVA University,
Bangalore.

The Expert lecture focused on the following key points:

1. Challenges posed for representing a Chemical structures
2. Different plot forms available for the representation of chemical structures
3. Installation and technical support for installing the setup file
4. Applications of different tools in the software
5. Utility of CHEM DRAW for presenting the structure and analytical data in publications/patents/conference articles.

The talk follows interactive discussions and Q&A.

Following are the outcomes achieved:

- ✓ Installation of CHEM DRAW Utilities
- ✓ Application of all commands and tools in drawing
- ✓ Hands- on training on drawing the chemical reactions
- ✓ Analytical data collection for publication using the software
- ✓ Training on structure and data representation for publications.

We would like to thank the speaker, ***Dr. Nagendra G.*** *Assistant Professor, Dept. of Chemistry, REVA University, Bangalore* for delivering the industry expert talk. We thank our Honorable Chancellor **Dr. P. Shyama Raju Sir** for providing all facility and support to organize club events. We also thank Vice Chancellor **Dr. S.Y. Kulkarni,** Registrar **Dr. M. Dhanamjaya**, Dean, Placement,

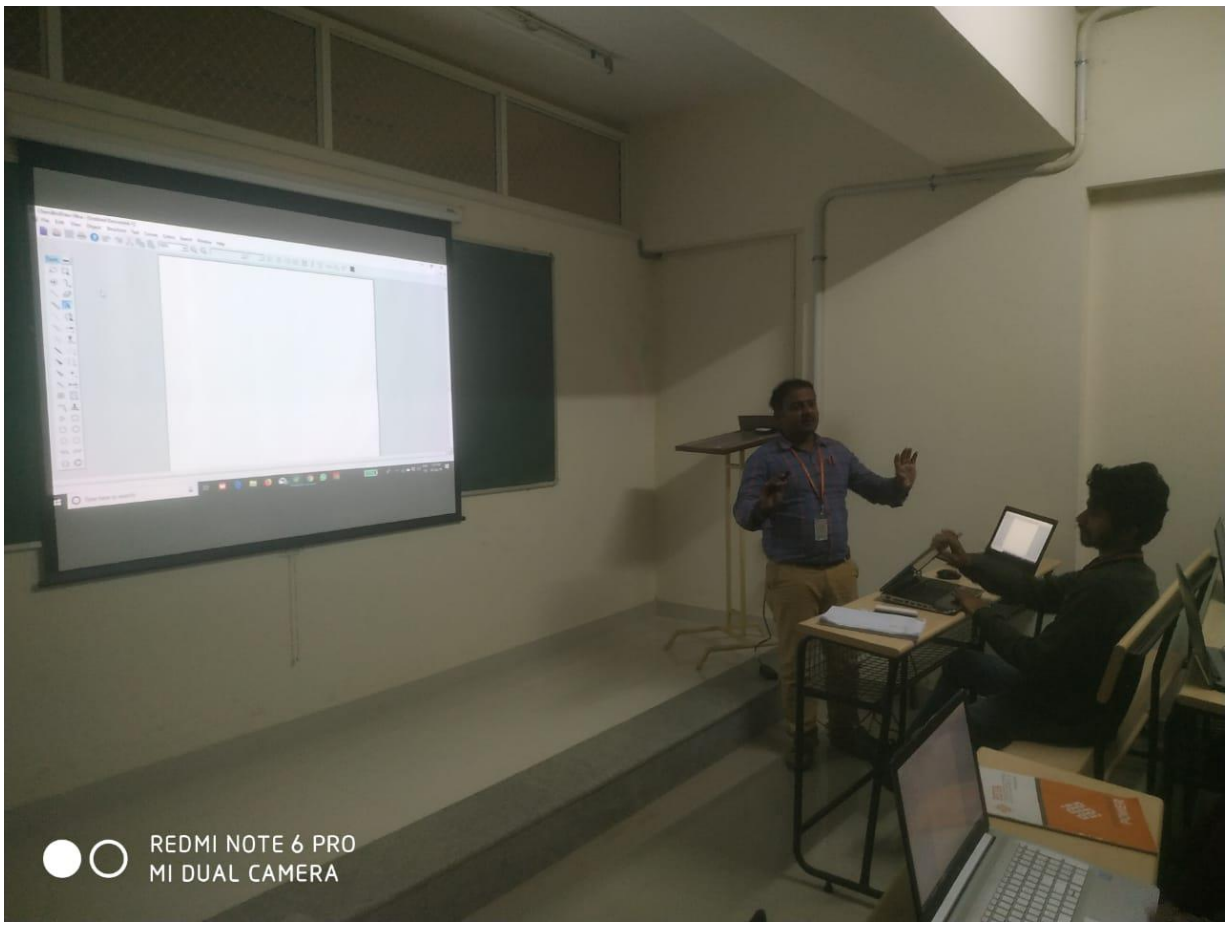
Training, and Planning **Dr. N. Ramesh,** our beloved Director, School of Applied Science **Dr. Beena G** for providing all the facilities, support and encouragement towards academic activities of the school.

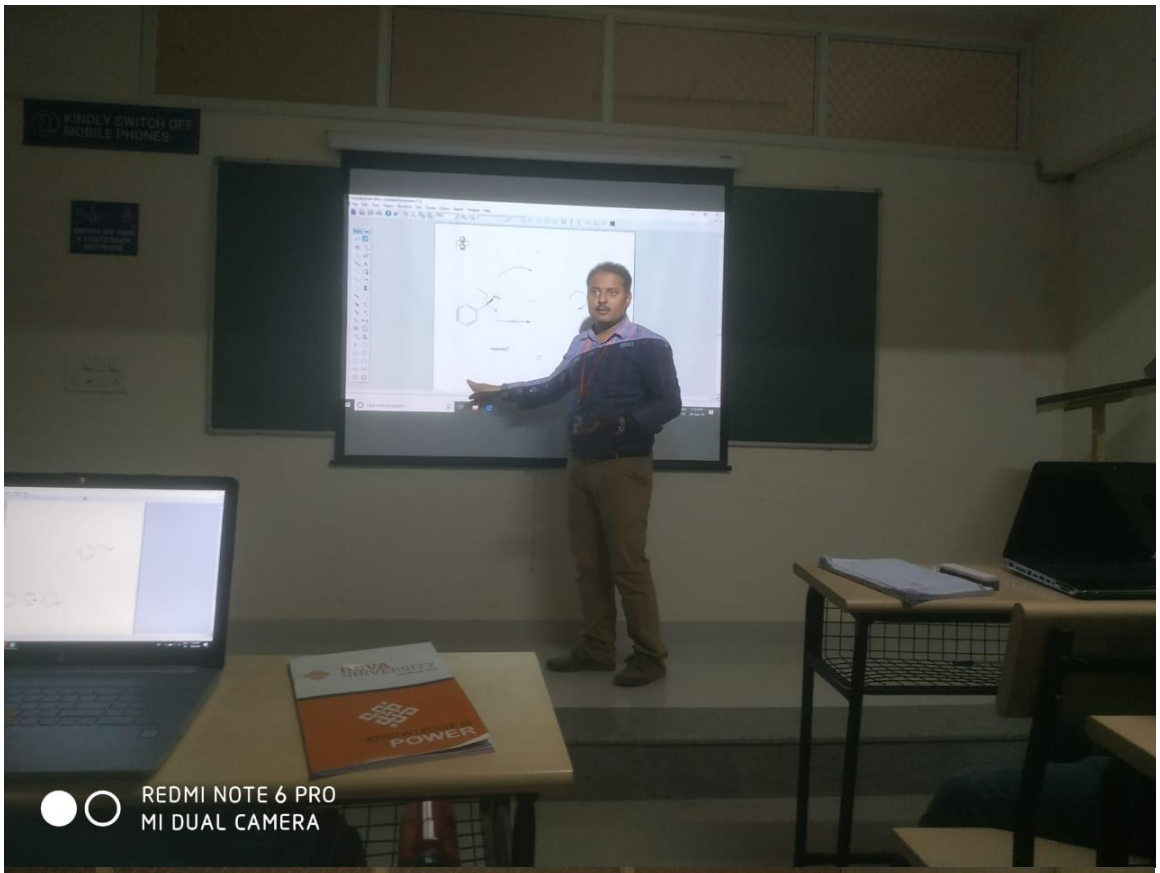
We also thank all the faculties and students of the department of Chemistry for their support in smooth conduction of this event.

Thank you.

Dr. Nagendra G
Organizing Secretary &
Science Appreciation Club Co-ordinator.

Dr. Madhusudana Reddy M B
Co-ordinator,
School of Chemical Sciences.

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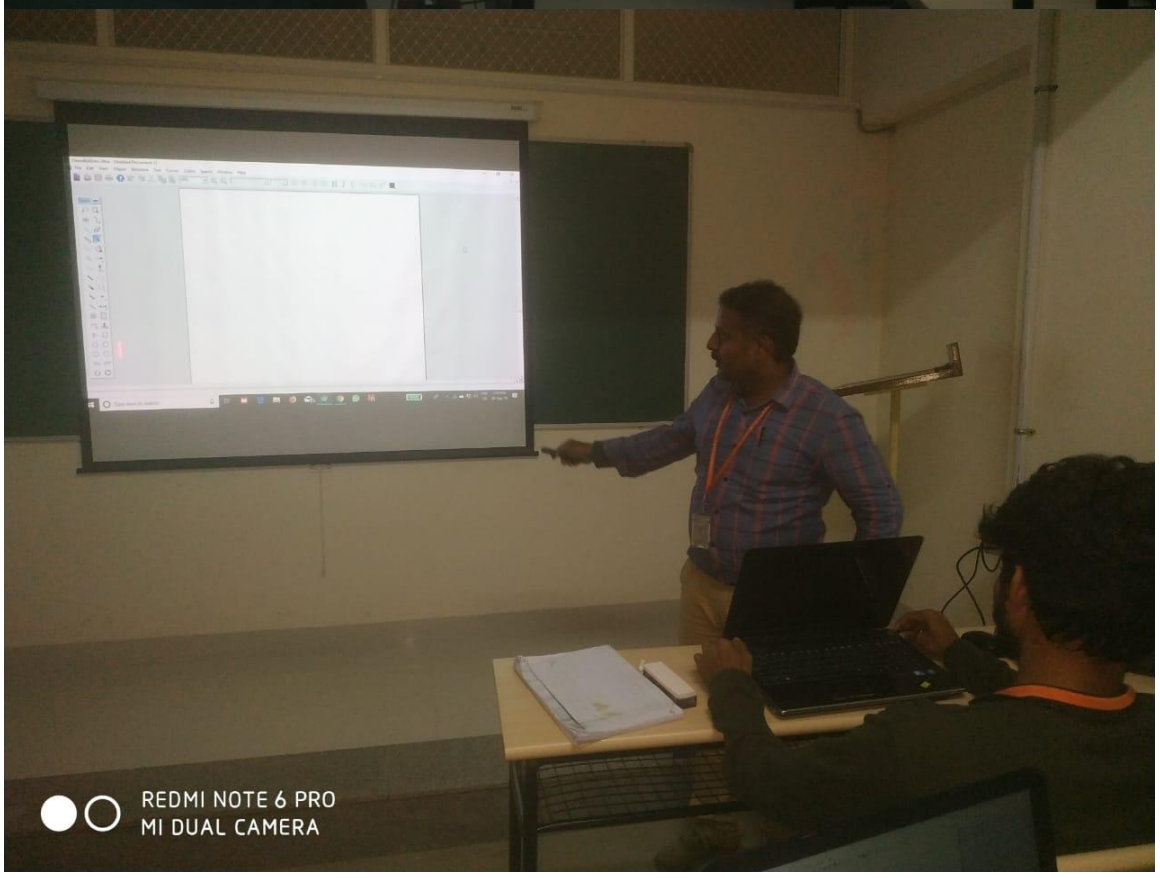
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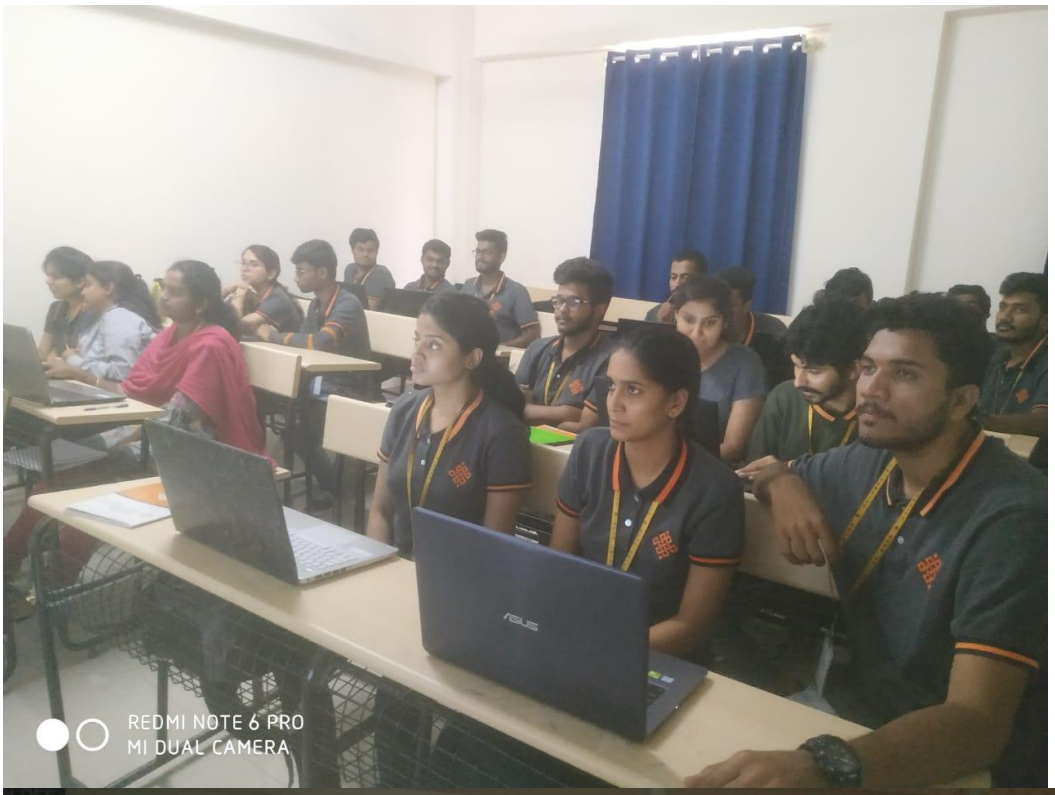
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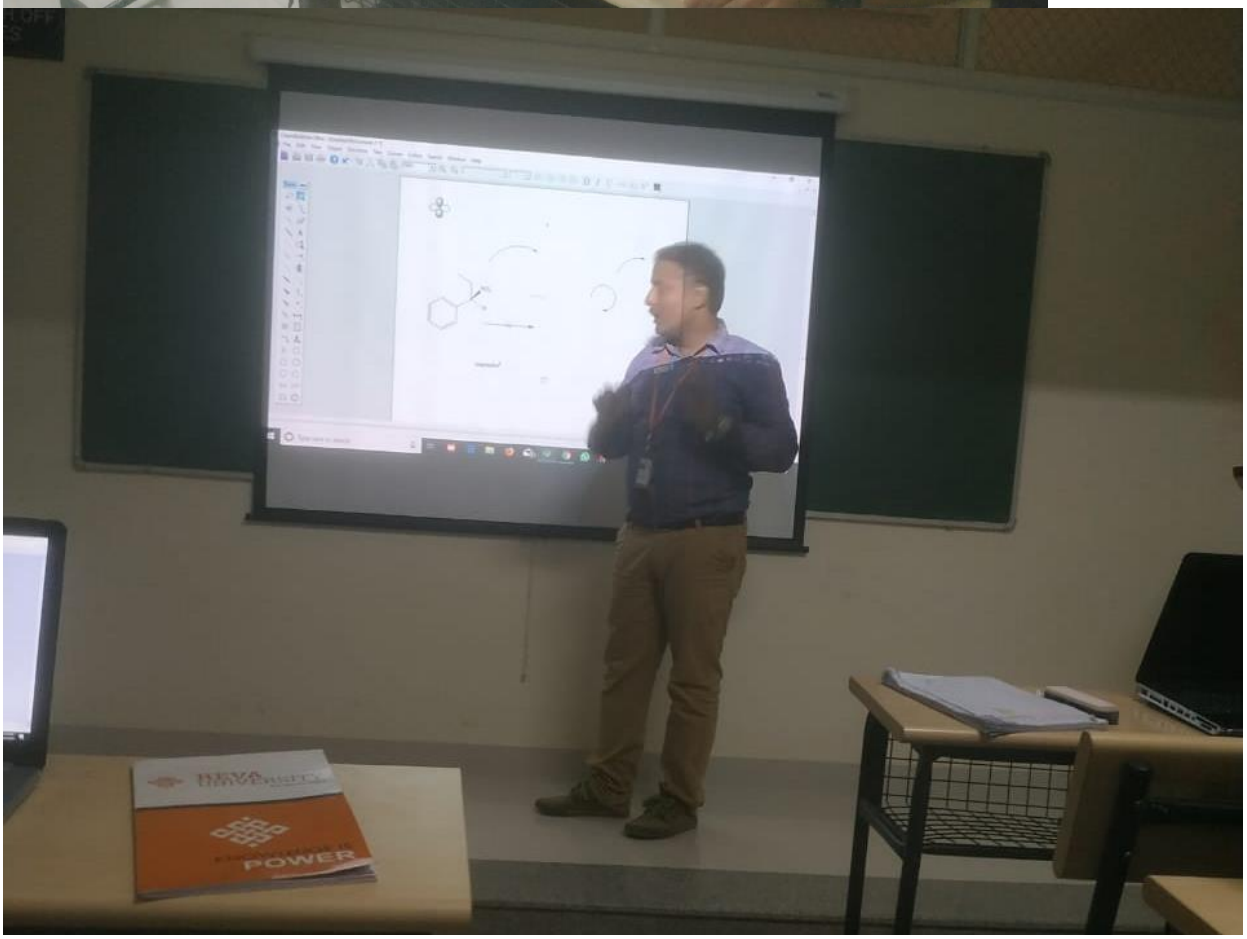
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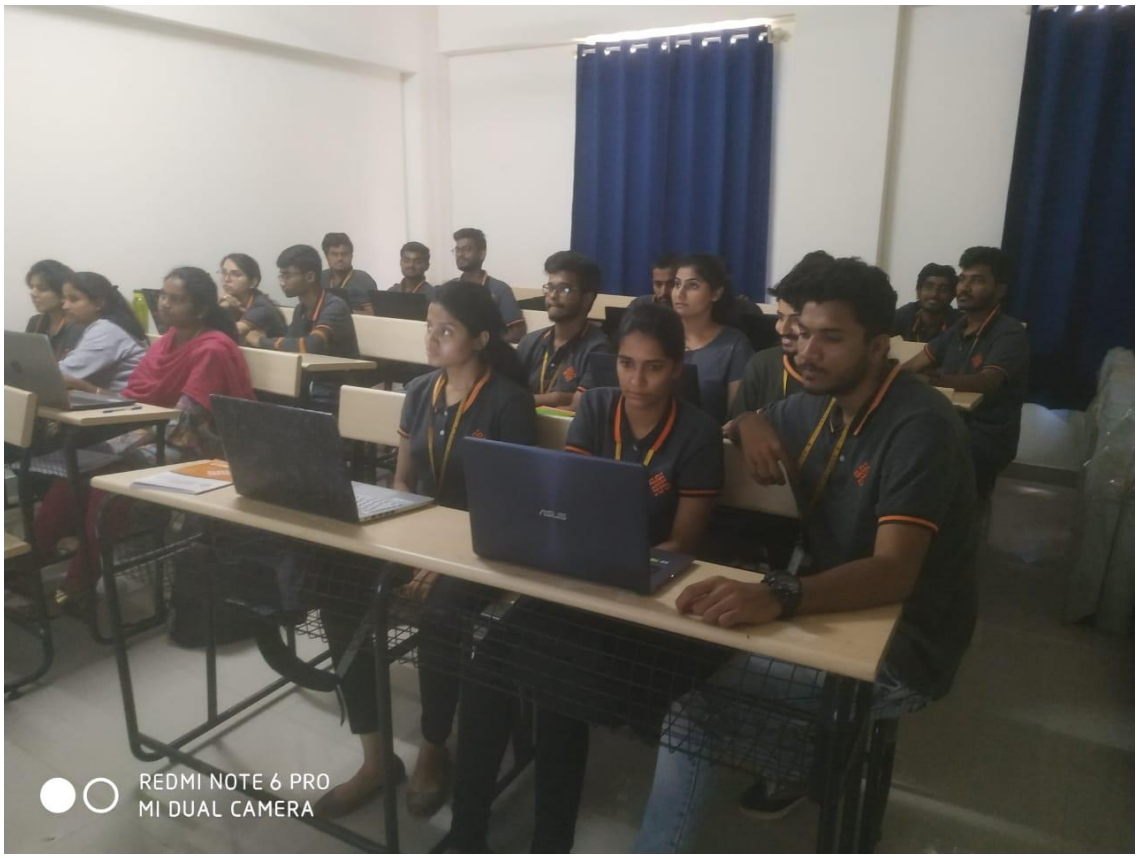
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Dear All,

As a part of ***Student Club*** activity, we the School of Chemical Sciences, REVA University, Bangalore had organized a visit to Visvesvaraya Industrial and Technological Museum as a part of VIGYAN SAMAGAM on 14th September 2019 between 9.30 AM and 4.30 PM for the benefit of the Chemistry students at UG and PG level. The popular talk on the Introduction to Radio Astronomy and state of art facilities/instrumentation available for radio astronomy was followed by museum visit.

The expert lecture was delivered by

Dr. Ramesh R
Indian Institute of Astrophysics,
2nd Block Koramangala,
Bangalore - 560034

The Expert lecture focused on the following key points:

1. Introduction to Radio Astronomy and Remote Sensing of the Earth.
2. Importance of Radio astronomy: As a tool used by scientists to study our universe.
3. Radio Telescope: Components, types and its significance.
4. Identification of new objects in the universe.

The talk follows interactive discussions and Q&A. Later students visited mutli-venue megha-science exhibition.

Following are the outcomes achieved:

- ✓ Applications of electromagnetic radiation in day today activities.
- ✓ Importance of radio waves in Astronomy.
- ✓ Exposed to Indian contributions in fundamental science and research. Also exposed to basic science models and their working principles.
- ✓ Interacted with scientists and industry experts in various disciplines to take up science projects.
- ✓ Youngsters boosted with carrier opportunities available in basic sciences.

We thank our Honorable Chancellor **Dr. P. Shyama Raju Sir** for providing all facility and support to organize club events. We also thank Vice Chancellor **Dr. S.Y. Kulkarni,** Registrar **Dr. M. Dhanamjaya**, Dean, Placement, Training, and Planning **Dr. N.**

Ramesh, our beloved Director, School of Applied Science **Dr. Beena G** for providing all the facilities, support and encouragement towards academic activities of the school.

We also thank all the faculties and students of the department of Chemistry for their support in smooth conduction of this event.

Thank you.

Dr. Nagarajaiah H
Organizing Secretary &
Student Club Co-ordinator.
Faculties visited: Dr. Nagendra, Dr. Ramakrishna Reddy, Prof. Mamatha Mohan, Prof. Mubeena
Dr. Madhusudana Reddy M B
Co-ordinator
School of Chemical Sciences.

INVITEES
ROW 3, 4 & 5
PRESS

ROW 1 & 2
VIPs
VIGYAN
SAMAGAM
BIG
BANG

ASTRONAUT

ZIPPER

DIESEL ENGINE

Dear All,

As a part of ***Club*** activity, we the School of Chemical Sciences, REVA University, Bangalore had organized a guest lecture on "**Synthesis of Nanomaterials and Battery Technology**" on **19th September 2019** from **11:00 AM – 12:00 PM** in the Room no 106, 1St Floor, School of applied Sciences, REVA University for the 1st year and 2nd year M.Sc. Organic Chemistry students, research scholars and staff.

The expert lecture was delivered by

Dr. Nagaraj G N
Professor
Dept. of Chemistry
Siddaganga Institute of Technology
Tumkur.

The Expert lecture focused on the following key points:

1. Basic knowledge of nanomaterials
2. Importance of nanomaterials and nanotechnology
3. Synthetic approaches from chemist's and physicist's point of view
4. Combustion method for the preparation of a metal oxide nanostructures
5. Studies related to applications of nanomaterials for photocatalytic activity and battery technology

The talk follows interactive discussions and Q&A.

Following are the outcomes achieved:

- ✓ Basic idea about nanomaterials
- ✓ Different synthetic approaches to make nanomaterials
- ✓ A simple combustion method for the synthesis of metal oxide nanostructures
- ✓ Different characterization techniques for the confirmation of the formed nanostructures

- ✓ Potential applications of nanomaterials for photocatalysis and energy storage
- ✓ Various fellowship schemes available for graduate students to pursue Ph.D. and research activities across India

We would like to thank the speaker, **Dr. Nagaraj G N**, Professor, Dept. of Chemistry, Siddaganga Institute of Technology, Tumkur for delivering the expert talk. We thank our Honorable Chancellor **Dr. P. Shyama Raju Sir** for providing all facility and support to organize club events. We also thank Vice Chancellor **Dr. S.Y. Kulkarni,** Registrar **Dr. M. Dhanamjaya**, Dean, Placement, Training, and Planning **Dr. N. Ramesh,** our beloved Director, School of Applied Science **Dr. Beena G** for providing all the facilities, support and encouragement towards academic activities of the school.

We also thank all the faculties and students of the department of Chemistry for their support in smooth conduction of this event.

Thank you.

Dr. Madhusudana Reddy M B
Co-ordinator,
School of Chemical Sciences.

The flow chart for solution combustion
Distilled Water
Combustion
4-5 min

SCIENCE AMENTURE CLUB

Department of Chemistry -School of Applied Sciences

Faculty Coordinators: Prof. Mallappa M

REPORT

"FOURIER TRANSFORM INFRARED (FTIR) SPECTROPHOTOMETER DEMONSTRATION"

Date: 12-10-2019

Time: 9.30 to 11.30 AM

Venue: Department of Chemistry, School of Applied Sciences, Science Block, REVA University.

Topic: "Report on Fourier Transform Infrared (FTIR) Spectrophotometer Demonstration"

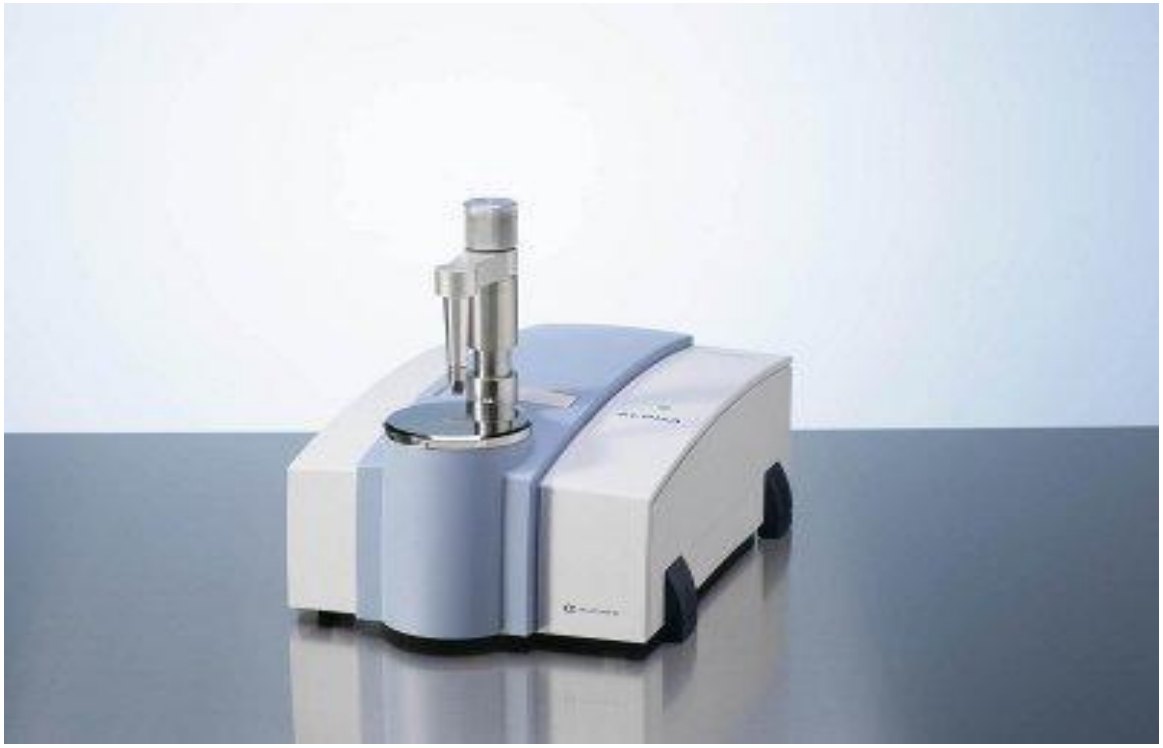
Description:

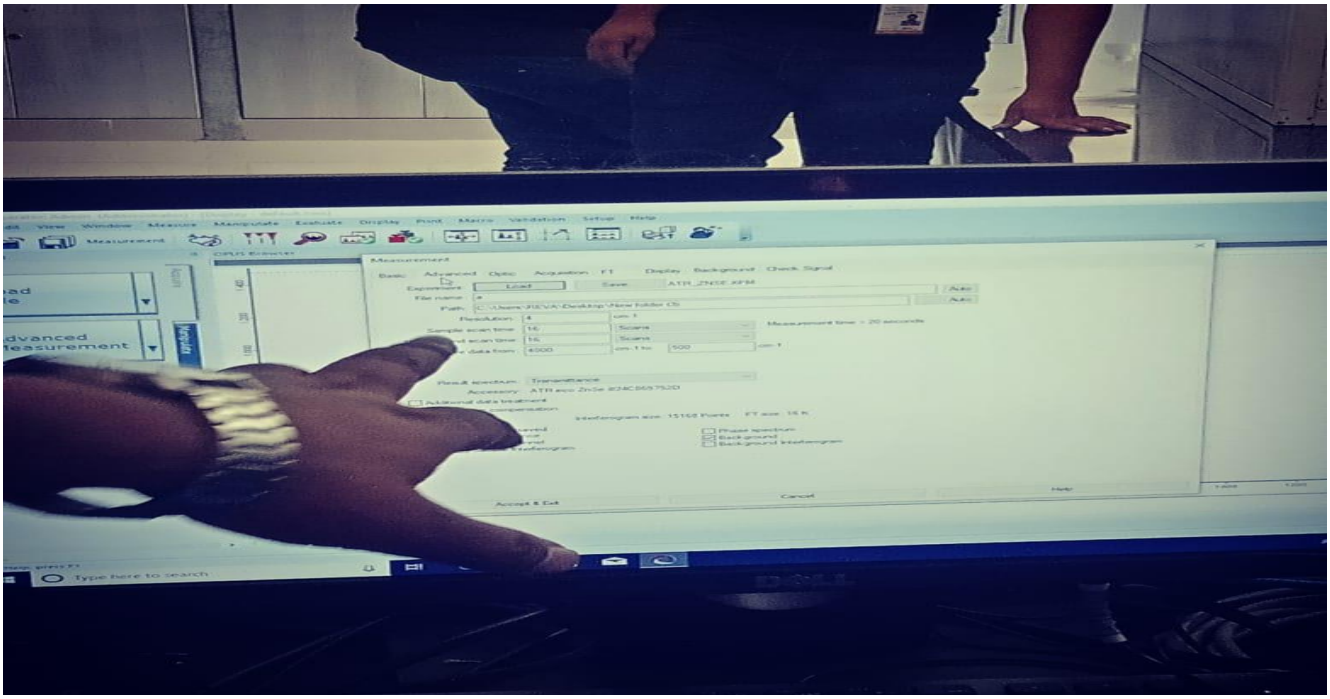
The Department of Chemistry have been organized to **"Fourier Transform Infrared (FTIR) Spectrophotometer Demonstration"**for the faculties on 12th October 2019 at **9.30 to 11.30 AM** in Science Block, REVA University. FTIR is versatile characterization technique for qualitative analysis of organic and inorganic compounds constituting specific functional groups based on the molecular vibration. Molecular vibrations are accompanied by changes in the dipole moment which result in the vibrational spectra in the middle IR region (2.5–25 μM) over the range of 4,000 and 400 cm^{-1}. This demonstration gives an idea about identification of functional groups present in the chemical compounds. The functional group identification was carried out using known commercial available sample by ATR and Transmission mode (KBr pellet).

We would like to thank our beloved Chancellor **Dr.P. Shyama Raju** for providing all facility and support to conduct such Events. We also thank Vice Chancellor **Dr. S.Y. Kulkarni,** Registrar **Dr. M. Dhanamjaya**, Dean, Placement, Training, and Planning **Dr. N. Ramesh,** our beloved Director, School of Applied Science **Dr. Beena G** for their constant support in organizing such events. We also thank Col. Nataraj K and Laxmanan for their transportation support.

We also thank all the faculties and students of department of Chemistry for their support in smooth conduction of this event.

Photographs





SCIENCE AMENTURE CLUB

Department of Chemistry - School of Applied Sciences

Faculty Coordinator: Dr. Mallappa M

REPORT

"Report on Industrial visit to EMMVEE Photovoltaic Power Private Limited"

Date: 06-11-2019

Time: 2.00 PM to 4.00PM

Venue: EMMVEE Photovoltaic Power Pvt Ltd, Bettahalasuru Post, Bengaluru, Karnataka.

Topic: "Report on Industrial visit to Photovoltaic Power Private Limited"

It'sourpleasure to inform you all thatthe Department of Chemistry has organized an industrial visit to "**EMMVEE Photovoltaic Power Private Limited,Bettahalasuru, Post, Bengaluru" on 6th November 2019**, forfinal year M.Sc. Chemistry students. These students were accompanied by faculty members Dr. Mallappa M, Dr. Lakshmi B, Dr. Shivanna and Dr. Satish Reddy.

EMMVEE specializes in developing photovoltaic modules and systems for On-grid and Off-grid applications. EMMVEE produces high quality photovoltaic modules using the state-of-the-art machinery in its manufacturing facilities in Bengaluru. EMMVEE produces the most reliable solar water heating systems with the prominent brand name "Solarizer"

Mr. Nagbhushan Shetty, Senior Manager and Mr. Kiran, in-charge, EMMVEE Photovoltaic Pvt Ltd, Bengaluru welcomed the gathering and guided the students about the company and demonstrated the design and manufacturing of photovoltaic modules, photovoltaic system, etc. The industrial visit to **EMMVEE Pvt Ltd** gave an opportunity for the students to acquaint with various design, manufacturing and quality techniques employed in industries.

We would like to thank our beloved Chancellor **Dr.P. Shyama Raju** for providing all facility and support to conduct such events. We also thank Vice Chancellor **Dr. S.Y. Kulkarni,** Registrar **Dr. M. Dhanamjaya**, Dean, Placement, Training, and Planning **Dr. N. Ramesh,** our beloved Director,

School of Applied Science **Dr. Beena G** for their constant support in organizing such events. We also thank Col. Nataraj K and Laxmanan for their transportation support.

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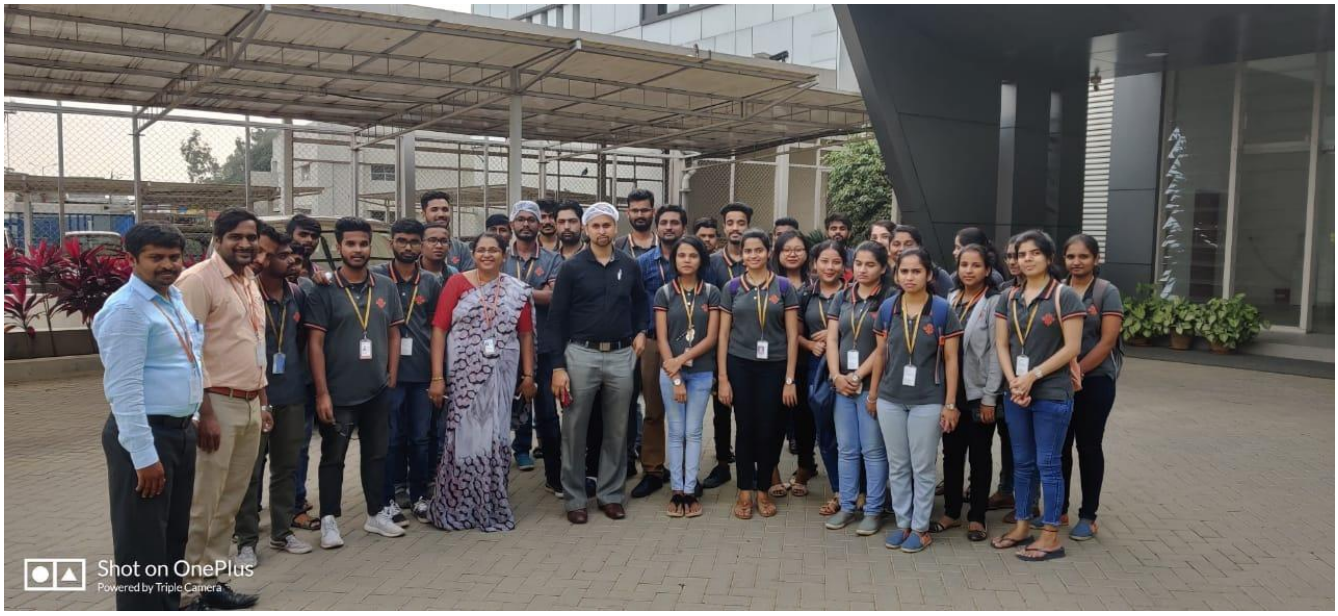
Photographs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Powered by Triple Camera

"Report on visit to Center for Nano and material Science (CNMS), Jain University".

We are happy to share that, the faculty members from the Department of Chemistry and Physics, along with Dr. B.P Divakar,Dean, Research and Innovation visited the Center for nano and Material Science, Jain University, Bangalore on 12th Dec 2019.

The Jain University is located at the outskirts of Bangalore in the NH at Kanakapura road. CNMS center is located in the main administrative block 4th floor and the center occupies a space of 50000 sq.feet only for chemistry department. Dr. Nagaraju D. H, Associate professor, CNMS had accompanied with us till our visit.

Highlights of the visit are mentioned below:

- A total of 6000 Sq. feet of the block was completely utilized for Faculty wing and research laboratories and another separate building for major instrumental facility.
- 25 faculty members and 75 full time research scholars are working.
- 17 well established research laboratories with fully equipped general instrumentation facility like, Incubators, Muffle furnaces, hot air ovens, tube furnaces, UV-vis spectrophotometers, UV-chambers in synthetic labs, magnetic stirrers, oil baths, ultasonicators, Centrifugations, Vacuum pumps and incubators, hot plate stirrers, ventilated hoods for synthesis, Digital balances, double distilled water purifying systems, rotatory evaporators, etc.
- Following are different research laboratories present in the CNMS division-
    - Photo and Electrocatalysis
    - Nano bio-interfaces and supramolecular chemistry
    - Bio-inorganic and clinical chemistry
    - Sustainable energy materials and processes
    - Nano engineering and graphene technology
    - Nano catalysis and drug molecules
    - Heterogeneous materials
    - Advanced functional materials
    - Organic and medicinal chemistry

- Carbene chemistry
- Membrane Technology
- Organometallics
- Low dimensional materials
- Organoelectronics
- Physical chemistry
- Organic and inorganic chemistry
- Applied nano materials

- Faculties are involved in MSc teaching and Research activities.
- Each year Rs. 5, 00,000 will be allocated for each faculty for research as seed money.
- Scholarship (JRF) for research scholar Rs. 20,000.
- Each faculty is having a separate cabin and separate research laboratories and a separate cabin for individual research scholars.
- Workload is divided as: Professor-32 hr; Associate Prof-48 hr and Assistant Prof-64 hr per academic year respectively.
- The Dept. is having additional 5 attenders and 2 lab instructors per each MSc laboratories.
- The CNMS division works for 5 days/week and every Monday each faculty need to present their research work in presence of all scientists of dept.
- The CNMS is established within 5 years by the internal funding of Rs. 6 crores per annum. This attracts the external funding resources like DST, DBT, DST-Nano mission, CSIR, UGC, BRNS etc. to fund for the research activities to be held in the CNMS.
- The initial salary per assistant faculty is fixed as 70,000-80,000 per month. According to the research and progress salary will be increased and designation will be fixed.
- Apart from the research facilities given to individual scientist, the dept. also has a well-established central instrumentation facility as well which includes the major instruments for material science, nano science, organic and inorganic chemistry, membrane sciences, photocatalysis etc.

  Following are the major instruments available at CNMS are-

  - Powdered X-ray Diffractometer
  - BET-Surface area instrument
  - Field Emission Scanning Electron Microscope with EDX (FE-SEM)
  - Gas Chromatogram Mass Spectrophotometer (GC-MS)
  - Fourier-Transform Infra-Red spectrophotometer (FTIR)
  - Chemical Vapour Deposition instrument (CVD)

- 2 units of Nitrogen dry Glove boxes
- Atomic Absorption Spectrophotometer
- Spectrofluorimeter
- Total organic content
- Solar stimulator (artificial Sun light)
- Spex ball mill, agate vial
- Epi fluorescent microscope with motic CCD camera
- Dip and spin coating machine
- Forward osmosis and cross flow filtration units
- COD/ BOD/ Cr analyzer
- Fluoride analyzer
- Quantum efficiency analyzer
- Electrochemical Workstation (CH, Autolab and other advance instrument)
- Procuring Nuclear Magnetic Resonance Spectrophotometer (NMR)

➢ Consultancy will be generated by giving the instrumentation facilities to open sources.

➢ A new Bio-Fuel unit is established in the CNMS by industry collaboration.

➢ Combustion studies unit is also established in the CNMS division by collaborating with HP to check the combustion resistance of the materials synthesized.

Following Faculty members form Dept of Chemistry and Physics along with the Director, Research and Innovation, Dr. B.P Divakar. visited the CNMS:

Dr. Madhusudana Reddy M B,

Dr. Nagendra G.

Dr. Mallappa M.

Dr. Shivanna M.

Dr. Anjaneyulu

Dr. Upendra

Dr. Munirathnam

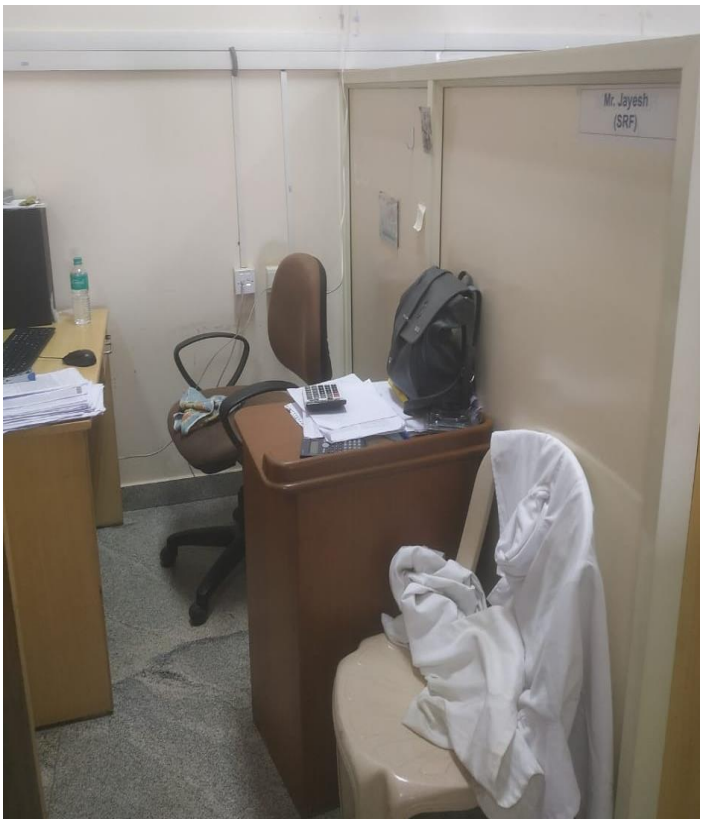
We would like to thank, Dr. Nagaraju D. Hfrom CNMS for escorting with us during the visit. We thank all the scientists and research scholars for their spending their time in explaining us the available research facilities. We thank the Director, Dr. Geetha Balakrishna for extending her support for this visit.

We would like to thank our beloved Chancellor Dr. P. Shyama Raju, Vice Chancellor Dr. S.Y. Kulkarni, Registrar Dr. M. Dhanamjaya, our beloved Director, School of Applied Sciences Dr.

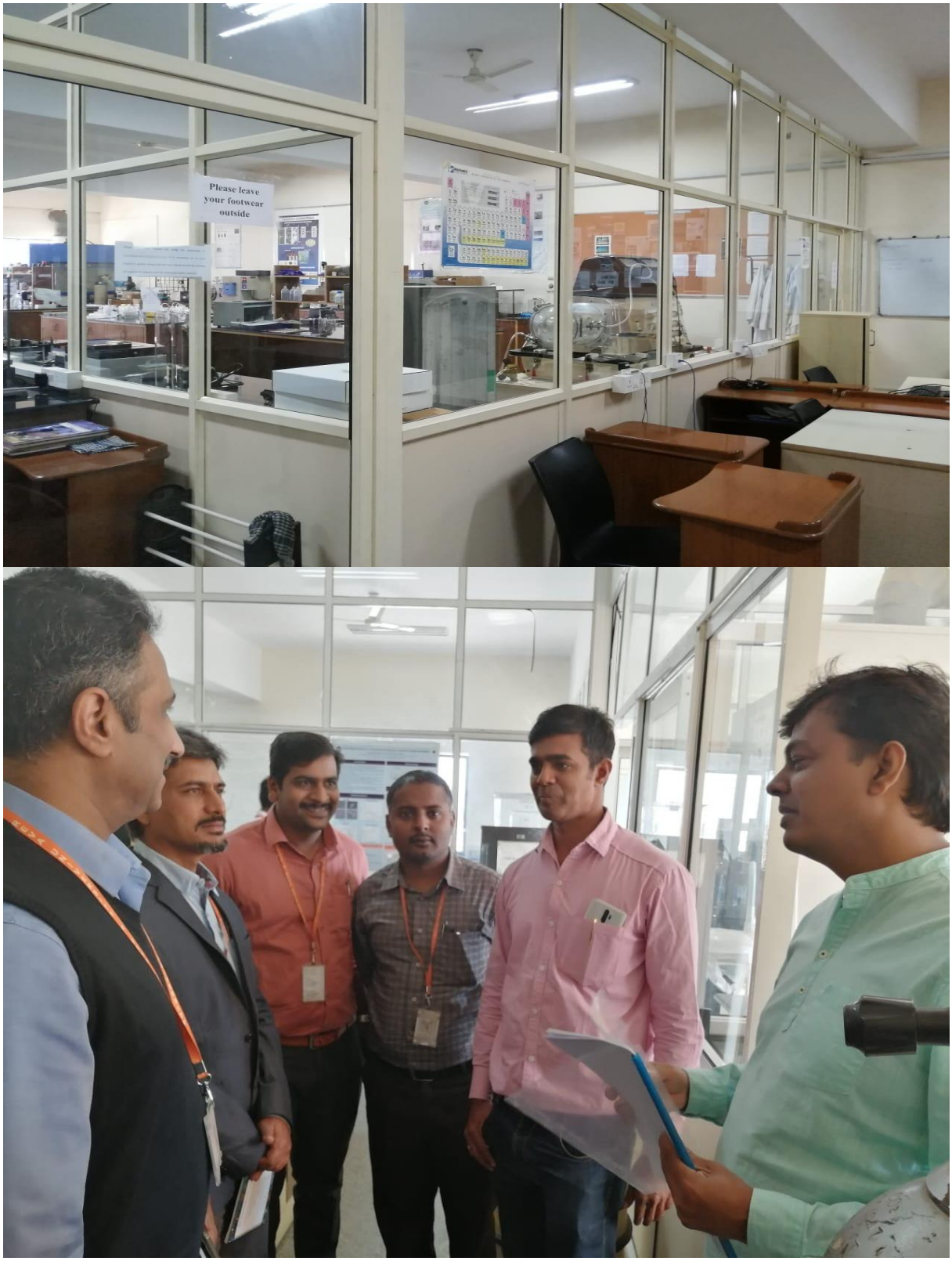
Beena G for their constant support and encouragement. We would specially thank Dr. B.P Divakar for spending valuable time with us during the Jain Universityvisit.

Photographs

Jain University CNMS Visit



Separate cabin for Faculties and Research Scholar.

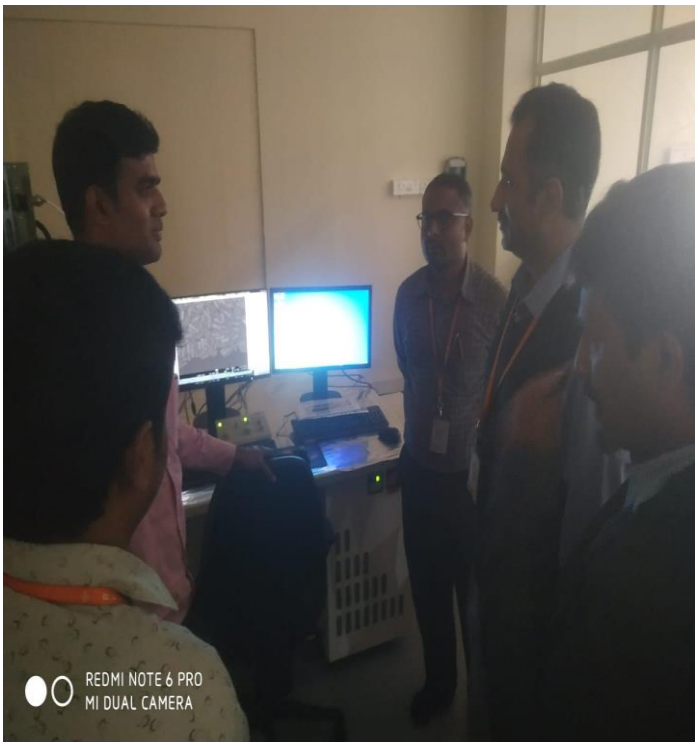


Interaction with Prof. Mahaveer D Kurkuri

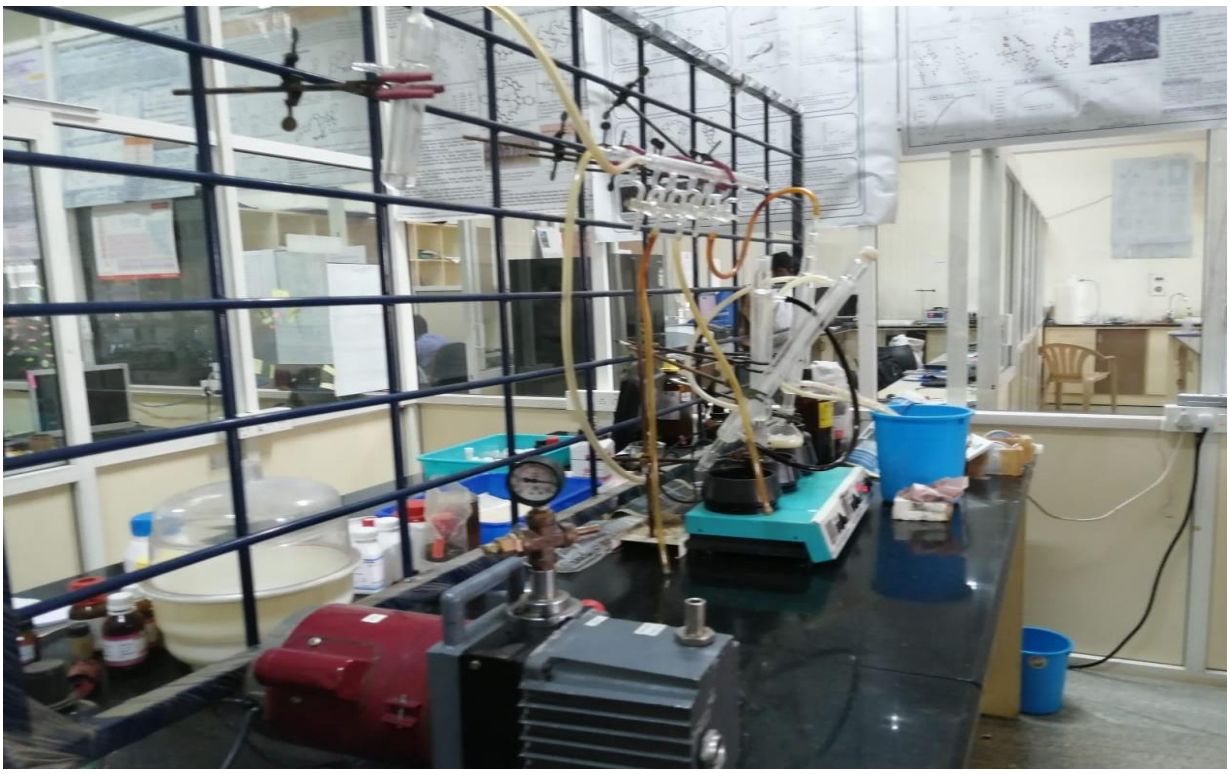
Interaction with research scholar about electrode fabrication for supercapacitors studies.

N_2-Glove Box Demonstration

GC-MS and PXRD Demonstration and interaction with Prof. Nagaraj D H.



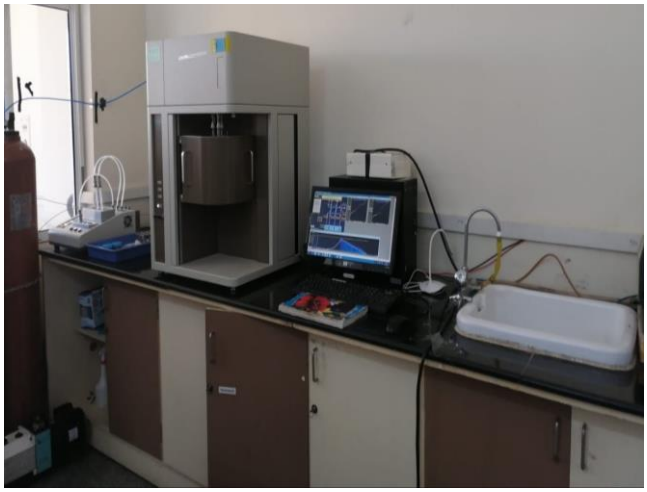
FE SEM Demonstration and interaction with Prof. Nagaraj D H and Scientific officer.

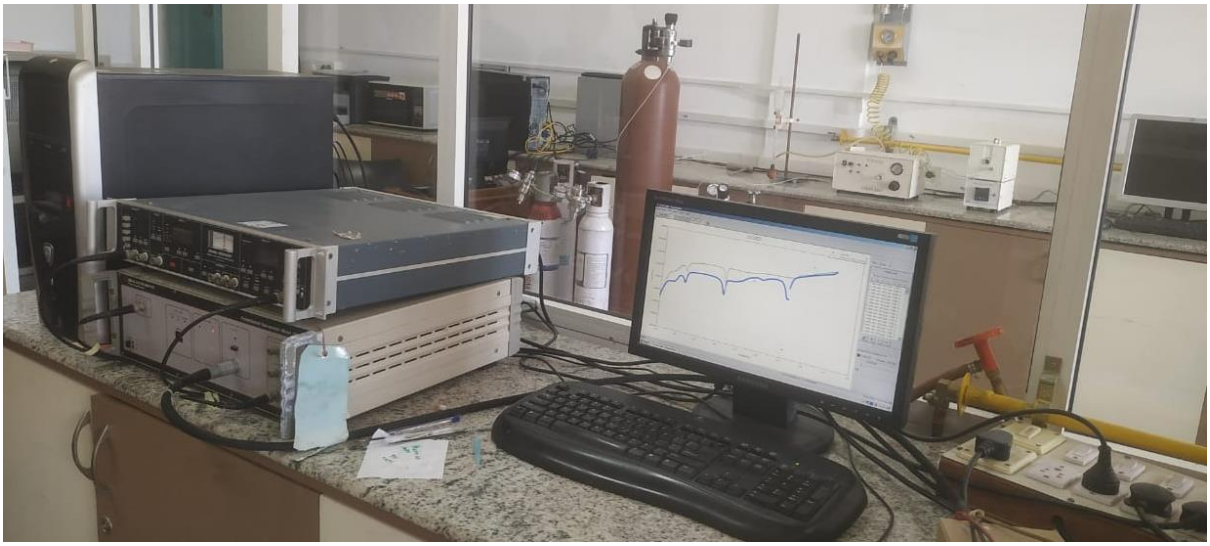


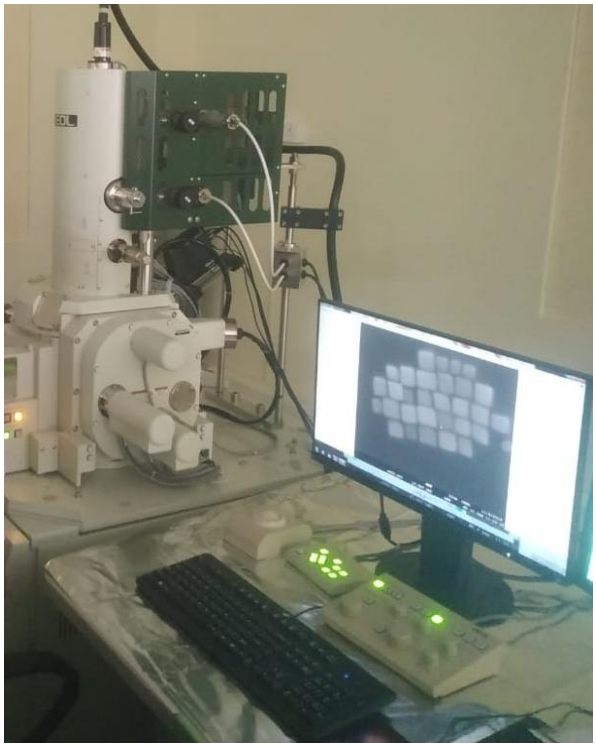
Organic reaction set up

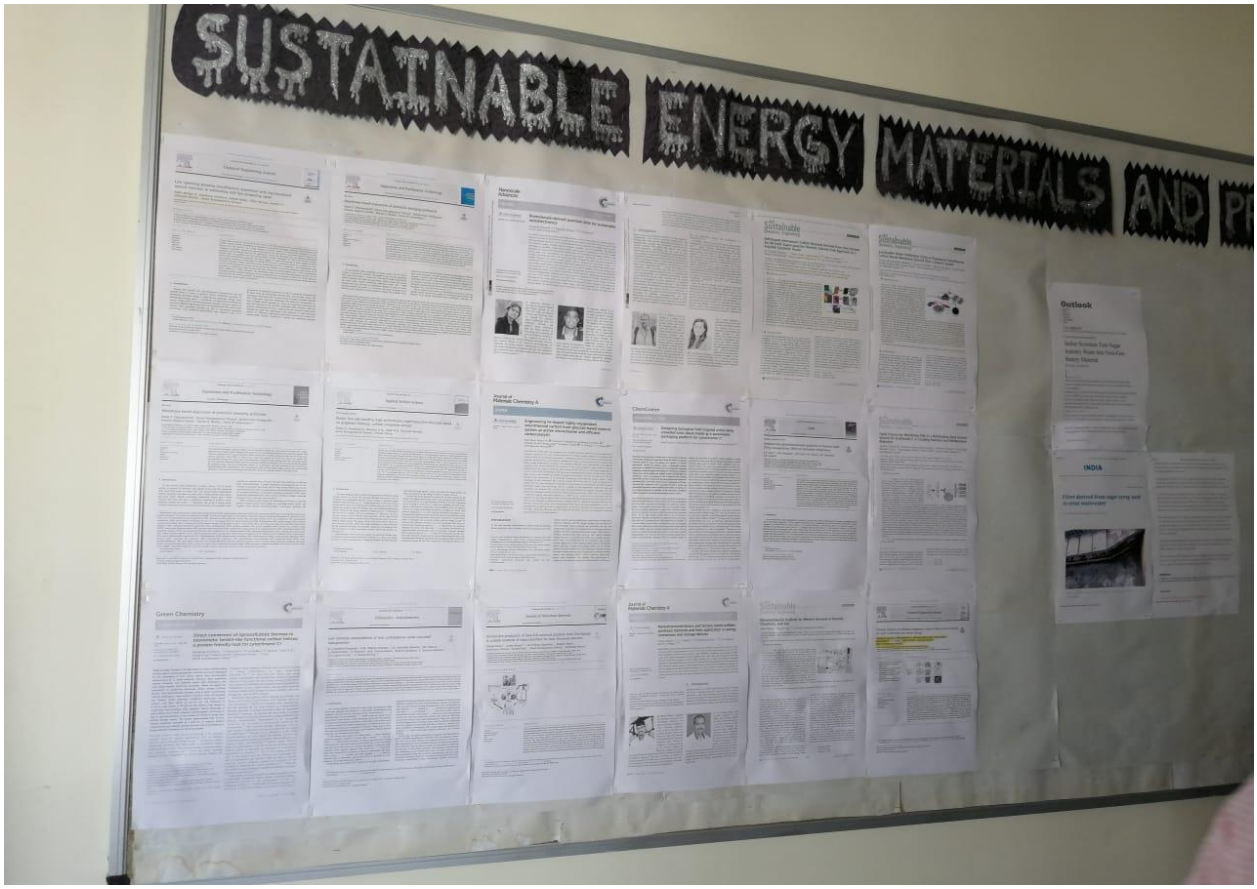
Water purification by membrane technology

Instrumentation facilities available









Research Publication of the faculties

Report on CSIR-Training Programme for M.Sc Chemistry students

Dear All,

The School of Applied Sciences, Department of Chemistry organized CSIR-Training Programme **on 11-01-2020** for MSc Chemistry 2nd and 4th-semester students.

Speaker: Dr.Venkatesh, NCBS Bangalore

The event began with introducing the speaker by Dr. Nagendra Department of Chemistry Reva University

Dr.Venkatesh has qualified more than 3 times CSIR-JRF, KSET and GATE exams. Dr.Venkatesh is running CSIR coaching center: Chem-Forum located, in Basaveswara Nagar Bangalore for the past 8 years. He is having more than 12 years of research experience with good publications.

Dr.Venkatesh spent the whole day in the School of Applied Sciences, Department of Chemistry with continuous interaction with students, explains the methodology to prepare for CSIR examination and discussed the blow-up, selection criteria, Examination pattern. He explained solving Chemistry problems in the Examination by taking 50 sample questions and discussed the background information required to choose MCQ. He interacted with students and clarify all the doubts rise by the students.

In the afternoon session, he delivered a talk on molecular spectroscopy, symmetry operations, and NMR following problems associated with above topics.

At the end of the event, we have received very good feedback from the students. Many students have asked to conduct the CSIR coaching classes in the Department of Chemistry. Finally, we concluded the event by a vote of thanks by Dr. Nagendra and presented a memento as token of appreciation to Dr.Venkatesh

We thank Dr.Venkatesh for motivating our students to qualify for the CSIR exam, sharing valuable information and delivering lecture on molecular spectroscopy, symmetry operation, and NMR.

We would like to thank our beloved ChancellorDr. P. Shyama Raju sir, Vice-Chancellor Dr. S. Y. Kulkarni sir, Registrar Dr.Dhanamjaya sir, Director SoASDr.Beena G for their continued support and encouragement.

We also thank our coordinator Dr.Madhusudana Reddy M B for organizing this event.

Kindly Note: Due to several sports activities on the same day many faculties are worn T-shirts

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Dear All,

As a part of ***Science Appreciation Club*** activity, we the School of Chemical Sciences, REVA University, Bangalore had organized a Expert Guest Lecture on **"Highly Efficient Ambipolar Charge Carrier Transport Properties in Discotic Liquid Crystals"** on **12th March 2020 at 9.30 AM** in the Prof. Dr. Junjappa Seminar Hall, 1st Floor, Science Block, REVA University for the students of MSc., Chemistry and Physics, Research scholars and Staff.

The expert lecture was delivered by

Dr. SANTANU KUMAR PAL
Associate Professor,
Indian Institute of Science Education and Research (IISER),
Mohali.
Email-skpal@iisermohali.ac.in

The expert lecture focused on the following key points:

1. Ability of discotic liquid crystals (DLCs) to serve as highly efficient ambipolar charge carrier transporting organic semiconductor toward organic electronic devices.
2. Synthesis of ambipolar charge transport materials for charge mobility and processability.
3. Examples of discotic liquid crystals that show efficient ambipolar charge transport properties.
4. Processing different solution techniques for organic semiconductors that carries high electrical performance.
5. Cost-effective synthesis of bipolar transport materials by the incorporation of a single layer of organic materials in device architecture.
6. Application of the discotic materials in OLED, TFT and other liquid crystal devices

The talk follows interactive discussions and Q&A.

Following are the outcomes achieved:

- ✓ Understanding the importance of discotic liquid crystals
- ✓ Application of discotic liquid crystals in OLED, LED and TFTs
- ✓ Applications of nano materials promulgamated liquid crystals as biosensors

- ✓ Functionalized Discotic Molecules for Optoelectronic Applications
- ✓ Synthesis and Characterization of Novel Discotic Liquid Crystals for Potential Applications in Opto-electronic Devices
- ✓ Design of Aqueous Liquid Crystal Interfaces for Biosensing Applications

We would like to thank the guest speaker, **Dr. SANTANU KUMAR PAL**, Associate Professor, Indian Institute of Science Education and Research (IISER), Mohali for delivering the expert R&D talk.

We would like to thank our Honorable Chancellor **Dr. P. Shyama Raju Sir** for providing all facility, support and encouragement to organize such events. We also thank Vice Chancellor **Dr. S. Y. Kulkarni,** Registrar **Dr. M. Dhanamjaya**, our beloved Director, School of Applied Sciences **Dr. Beena G.** for encouragement towards academic activities of the school.

We also thank all the faculties, staff and students of the departments of Chemistry and Physics for their support in smooth conduction of this event.

Thank you.

Dr. Nagendra G.
Club Co-ordinator.

Dr. Madhusudana Reddy
Co-ordinator, School of Chemical Sciences.
REVA University, Bangalore.

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Acknowledgements
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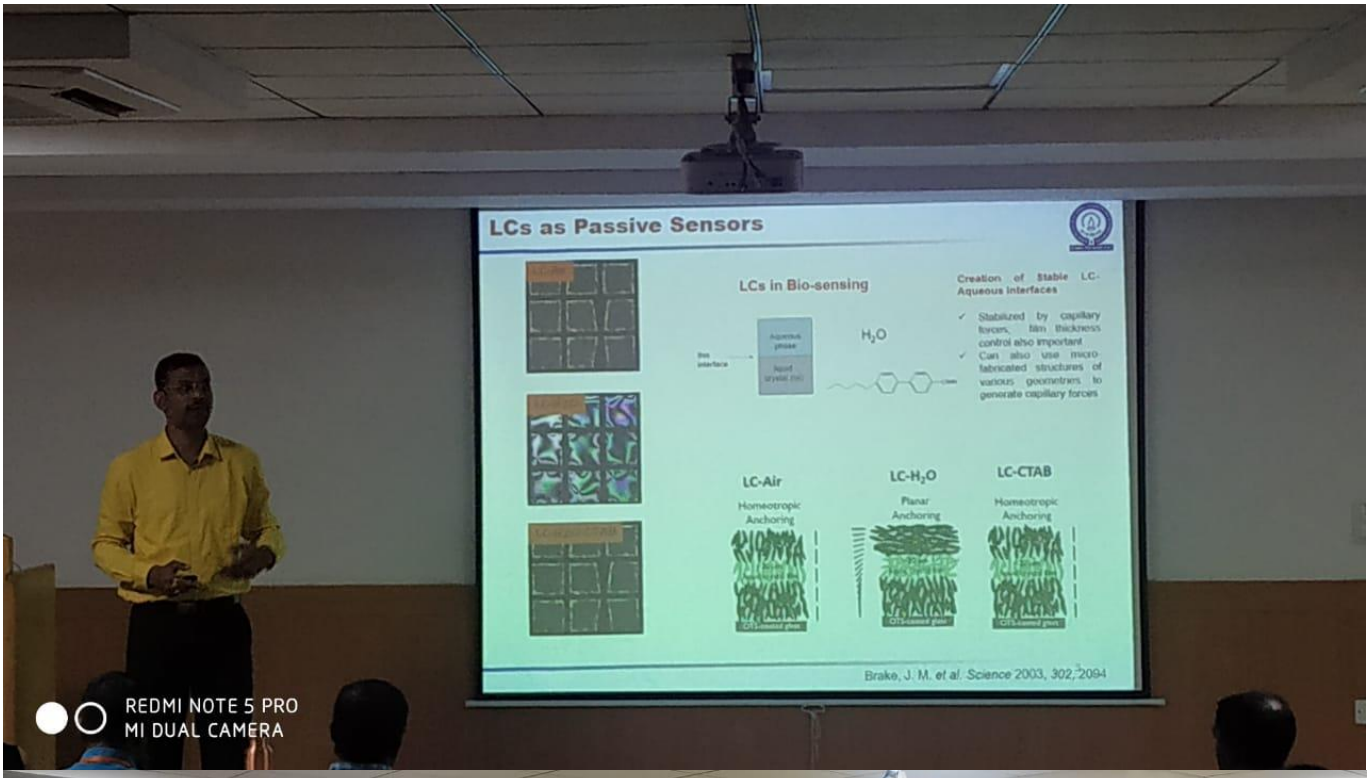
LCs as Passive Sensors
LCs in Bio-sensing
Creation of Stable LC-Aqueous Interfaces
Stabilized by capillary forces, film thickness control also important
Can also use micro-fabricated structures of various geometries to generate capillary forces
H_2O
LC-Air
Homeotropic Anchoring
LC-H_2O
Planar Anchoring
LC-CTAB
Homeotropic Anchoring
Brake, J. M. et al. Science 2003, 302, 2094
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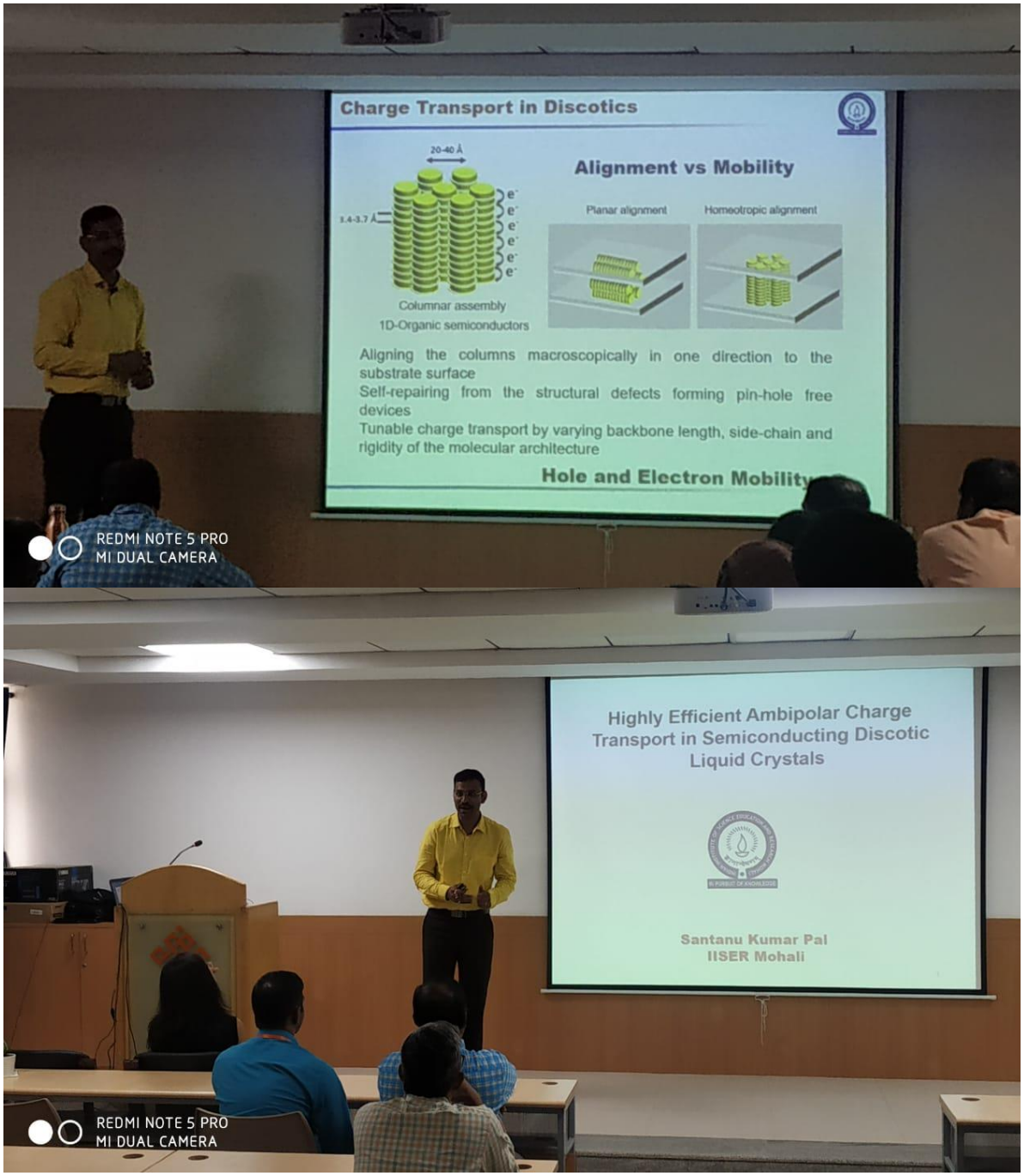
Charge Transport in Discotics
20-40 Å
3.4-3.7 Å
Columnar assembly
1D-Organic semiconductors
Alignment vs Mobility
Planar alignment
Homeotropic alignment
Aligning the columns macroscopically in one direction to the substrate surface
Self-repairing from the structural defects forming pin-hole free devices
Tunable charge transport by varying backbone length, side-chain and rigidity of the molecular architecture
Hole and Electron Mobility
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Highly Efficient Ambipolar Charge Transport in Semiconducting Discotic Liquid Crystals
Santanu Kumar Pal
IISER Mohali
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Respected REVA Family members,

As a part of ***Science Appreciation Club*** activity, we the Department of Chemistry, School of applied Sciences, REVA University, Bangalore, organizedan expert Lecture on "**Evolution of Fluoroquinolones- Synthetic Efforts and Technical Developments of Ciprofloxacin"** on 26th April 2020 at 10.30 AM through Zoom Video Meetings.

Resource Person:
Dr. Arun Kumar Gupta, PhD.,
Research Director at Syngene International Limited, BIOCON
BMS, Bangalore

Dr. Arun Kumar Gupta, B is a renowned scientist and Research Director at Syngene International Ltd. Bangalore and he is supporting Dept. of Chemistry, REVA University, Bangalore as a Scientific Advisor and Member for BoS.
Dr. Arun delivered a scientific talk on "**Evolution of Fluoroquinolones- Synthetic Efforts and Technical Developments of Ciprofloxacin",** through ZOOM Meetings. The talk includes

- Strategies in the development of Ciprofloxacin to Fluoroquinolines.
- The synthetic methodologies included in the drug development
- Process chemistry methods
- Introduction to Bacteriology and Virology
- The biochemical pathways which leads to the introduction of viral and bacterial RNA into host
- Host guest interaction
- Antigen - antibody interactions, receptor sites and X-ray structural analysis of receptor sites
- Flow chemical methods in the drug developments etc

The lecture was attended by all our MSc chemistry 2nd and 4thsem students, research scholars and faculty of chemistry through ZOOM meeting.The lecture was very useful in the present arena of COVID-19 in terms of drug development.

We would like to thank the guest speaker, **Dr. Arun Kumar Gupta**Research Director at Syngene International Limited, BMS, Bangalore, for delivering the industry expert R&D talk.

We would like to thank our Honorable Chancellor **Dr. P. Shyama Raju Sir** for providing all facility, support and encouragement to organize such events. We also thank **Shri. Umesh S Raju,** Trustee; **Dr. Dr. S. R. Shankapal,** Vice Chancellor (In Charge); **Dr. M. Dhanamjaya**, Registrar; **Dr. Ramesh,** Dean, Science and Technology, our beloved Director, School of Applied Sciences **Dr. Beena G** for continuous encouragement towards academic activities of the school.We also thank all the staff and students of the departments of Chemistry for their support in smooth conduction of this event.

Thank you.

Dr. Nagendra G
Club Co-ordinator.

Dr. M. S. Reddy
Co-ordinator, School of Chemical Sciences.

Dear Colleagues,

School of Chemical Sciences, REVA University, Bangalore, organizing a Expert talk on "**Methyl in Medicinal chemistry and Synthesis"** on 10th May 2020 at 10.30 AM through Webinar.

Resource Person:
Dr. Arun Kumar Gupta, PhD.,
Research Director at Syngene International Limited,
BMS, Bangalore

Dr. Arun Kumar Gupta, B is a renowned scientist and Research Director at Syngene International Ltd. Bangalore and he is supporting Dept. of Chemistry, REVA University, Bangalore as a Scientific Advisor and Member for BoS.
Dr. Arun delivered a scientific talk on "**Methyl in Medicinal chemistry and Synthesis",** through Webinar. Meetings. The talk includes

- Prof. Has begun with introduction of Medicinal Chemistry
- Significance of Methyl group in drugs and position of Methyl group at Carbon atoms
- Described Chemistry of Methyl Group, structure of Methyl group, particularly positive ions, negative ions and radicals on methyl carbon atom
- He spoke about basic information of RNA (Uracil) and DNA (Thymine), Where the Methyl group is present in Thymine
- New approaches such as Photocatalysis, C-H activation and Zinc sulfonates.
- Explained methyl groups in natural products and Drugs
- Role of Methyl groups in all the Vitamins
- Illustrated the influence of Methyl group in various Drugs, brief information especially hypertension treatment
- Mode of action of Methyl group in various drugs like Morphine, Lidocaine, Imatinib and Celecoxib with respect to Chemistry.
- Influence of Methyl group by inductive effect and Electromeric effect in Histamines and Cimetidine.
- Conformational effect induced by Methyl group in Imatinib and steric effect in Lumiracoxib.
- Drugs used in treatment
- C-H Methylation (C-H bond) of SP, SP^2 and SP^3 hybridization and reagent used for the reactions

- C-H Methylation of Heteroarenes inspired by radical SAM Methyl Transferase
- Methylation by Photochemical conditions.

Finally, Speaker clarified all the questions raised by students and faculties

The lecture was attended by all our MSc chemistry 2nd and 4thSem students, research scholars and Doctorates of chemistry through Webinar meeting REVA University. The lecture was very useful in the present arena of COVID-19 in terms of drug development.

We would like to thank the guest speaker, **Dr. Arun Kumar Gupta** Research Director at Syngene International Limited, BMS, Bangalore, for delivering the industry expert R&D talk. We would like to thank our Honorable Chancellor **Dr. P. Shyama Raju Sir** for providing all facility, support and encouragement to organize such events. We also thank our beloved Director, School of Applied Sciences **Dr. Beena G.** for encouragement towards academic activities of the school.
Thank you.

I thank Dr. M. S. ReddyCo-coordinator, School of Chemical Science for organizing the meeting.

REVA UNIVERSITY
BENGALURU • INDIA

Expert talk

Report on Enantio and Diastereoselective reactions for CSIR/ NET/ SET/GATE''

Department of Chemistry, School of Chemical Sciences, REVA University, Bangalore, organized Lecture on **Report on Enantio and Diastereoselective reactions for CSIR/ NET/ SET/GATE''**on17 rd MAY 2020 at 10.30 AM to 12:05 PM through Webinar video Meetings.

Resource Person:
Dr.Venkatesh M A
Postdoctoral fellow NCBS Bangalore,
Founder and instructor of CSIR/ NET/ SET/GATE
Coaching center for chemical sciences

Dr.Venkatesh M A is a renowned scientist and trainer for all competitive exams related to Chemistry. He visited many times to our REVA University and engaged multiple lectures on CSIR-Chemical sciences with different topics. MSc students are inspired by Dr.Venkatesh talk and He encouraged the students to crack CSIR exam. He is always supporting to Dept. of Chemistry, REVA University.
Dr. Venkatesh delivered a scientific talk on Lecture on Enantio and Diastereoselective reactions for CSIR/ NET/ SET/GATE through Webinar meetings. The talk includes

The talk includes

- Introduction and basics of Stereochemistry
- A simple R S nomenclature and with complex examples to assign R S configuration
- Explained brief on Enantiomers and Diastereomers and their differences with examples
- Preparation of compounds by stereoselective methods with different examples
- Expounded the role of reagent and substrate selectivity during the reaction
- Coated multiple examples for predicting the stereocenter after completion of the reaction
- Importance of stereoselectivereactions, in this context aldol reactions are smeared
- Illustrated Dihydroxylation and Sharpless reactions
- Described and solved number questions on stereoselective reactions
- Solved some of the CSIR question papers

At the end of the day, speaker answered for many questions raise by students and faculties

The lecture was attended by all 2nd and 4 semester students, research scholars and faculty of chemistry REVA University. The lecture was very useful for MSc students.

We would like to thank the guest speaker, **Dr.Venkatesh M A** Founder and instructor of CSIR/ NET/ SET/GATE Coaching centre for chemical sciences. We would like to thank our Honorable Chancellor **Dr. P. Shyama Raju Sir** for providing all facility, support and encouragement to organize such events. We also thank our beloved Director, School of Applied Sciences **Dr. Beena G.** for encouragement towards academic activities of the school.

I Thank Dr. M. S. Reddy Co-ordinator, School of Chemical Sciences for organizing an excellent training platform for MSc students

Link to the relevant document

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REVA UNIVERSITY
BENGALURU • INDIA

Expert talk

Department of Chemistry, School of Applied Sciences, REVA University, Bangalore, organized Lecture on **Report of Webinar on ''Basics to advanced topics in one dimensional NMR spectroscopy ''**on 23rd MAY 2020 at 10.30 AM to 12 PM through Webinar video Meetings.

Resource Person:
Dr. Rajesh Sonti
Assistant Professor
Department of pharmaceutical analysis
NIPER, Hyderabad

Dr.RajehSontiis a notorious scientist and Assistant Professor, Department of pharmaceuticalanalysisand he is supporting Dept. of Chemistry, REVA University, Bangalore. This lecture is useful for MSc students especially MSc 4th Semester students.
Dr. Rajesh Sontidelivered a scientific Lectureon Basics to advanced topics in one dimensional NMR spectroscopy through Webinar meetings. The talk includes

- Basics and terms used in NMR spectroscopy
- Explained Nuclear spins in magnetic field
- Properties of NMR active nuclei
- Briefed on Boltzmann distribution,CW NMR, pulsed FT NMR and FID NMR
- Illustrated about signal or noise for different scans
- Meaning of Chemical shift and solving the problems on proton shift. Spectra from different machines won't change the chemical shift and coupling constant
- Coupling and coupling constant with different examples
- Discussed n+1 rule, Pascal's triangle for 2,3 and 4 bond coupling , multiplicity of signal and Karplus curve for dihedral angle
- Regions of H1 and C13 NMR spectroscopy by taking example like Caffeine
- Introduction, definition Solvent effectand impact of solvents on various compounds in NMR spectroscopy
- Examples to solve structure of organic compounds
- NOE, Perturbation is by saturation or inverting spins
- 1-D sel-NOEthrough space transfer and H1 sel-Tocsy

Finally, Recitersimplified all the questions raised by students and faculties

The lecture was attended by all our MSc chemistry 2nd and 4th semester students, research scholars and faculties of Chemistry through Webinar meeting REVA University.

We would like to thank the guest speaker, **Dr.Rajesh Sonti**Department of pharmaceutical analysis NIPER, Hyderabad.

We would like to thank our Honorable Chancellor **Dr. P. Shyama Raju Sir** for providing all facility, support and encouragement to organize such events. We also thank our beloved Director, School of Applied Sciences **Dr. Beena G.** for encouragement towards academic activities of the school.
Thank you.

I thank Dr. M. S. ReddyCo-coordinator, School of Chemical Science for organizing the expert talk.

Link to the relevant document

https://teams.microsoft.com/l/meetup-join/19%3ameeting_MTBiYjEyYWUtZjllOS00MmYyLTg5NGMtM2RkZDhlNjA5Mjhm%40thread.v2/0?context=%7b%22Tid%22%3a%22474565c1-bca4-4295-a2f5-b0c7dbf2591c%22%2c%22Oid%22%3a%22122e94c4-c3de-4f60-95cc-fa3020869c6d%22%2c%22IsBroadcastMeeting%22%3atrue%7d

R & D Expert Talk

Report on "Applications of Functionalized Carbon Nanotubes in Nanomedicine"

Department of Chemistry, School of Applied Sciences, REVA University, Bangalore, organized a live webinar entitled "**Applications of Functionalized Carbon Nanotubes in Nanomedicine'' by Dr. Cécilia Menard Moyon** on 29th May 2020 from 2.00 PM to 3:30 PM.

Resource Person:
Dr. Cécilia Menard-Moyon
CNRS Researcher, CNRS, Immunology, Immunopathology and Therapeutic Chemistry, UPR 3572, University of Strasbourg, 67000 Strasbourg, France.
c.menard@ibmc-cnrs.unistra.fr

Dr. Menard is a CNRS researcher and Habilitation à diriger des recherches (HDR), she works in the departments of immunology and immunopathology at the University of Strasbourg, France. She is a member of Observatoire des Micro & NanoTechnologies (OMNT), Micro- & nanomedicine group. She published 82 research articles and 9 book chapters and also delivered >34 presentations in national and international conferences. Apart from these, she's the member of Institute council, Research unit council at CNRS, France; Scientific advisory board for Graphene Study 2014, at Austria; member in the Scientific committee of the NANOBIOAPP2015 conference at Barcelona and so on.

Dr. MENARD delivered a scientific talk on **Applications of Functionalized Carbon Nanotubes in Nanomedicine** through MS-Teams Live Webinar.

The highlights of the talk includes -

- Introduction on carbon nanotubes and nanomedicine
- Structure, properties and biomedical applications of CNT's
- CNT's as delivery system of therapeutic molecules
- Cancer tumors and treatment by Photothermal cancer therapy
- Cancer radiotherapy
- Multifunctionalized CNT's for the targeted delivery of Radioactivity for cancer treatment
- Synthesis of radioactive antibody-CNT's and their characterization by TGA, Gel Electrophoresis, immunostaining
- In vivo study of therapeutic effet-tumor inoculation and bioluminescence imaging.
- Amino acid based hydrogels and incorporation of nano materials into gels
- Photothermal release of drug and characterization of gels using spectrophotometric analysis and hydrogels for drug discovery.

After the talk, Dr. Menard interacted and answered many questions raised by students and researchers.

The talk was aimed to build and encourage our MSc students and staff towards R & D in Nano technology and Nano medicine. Our MSc chemistry students, research scholars and faculty members of our School and many students and researchers across Karnataka and India were utilized this opportunity.

We would like to thank the R & D expert speaker, **Dr. Menard** for delivering the live webinar. We also thank Dr. Beena G, Associate Dean, School of Applied Sciences, for needful support and encouragement to organize academic activities of the school. We thank all students, researchers, faculty and scientific family members who attended the live webinar.

Warm Regards,
Dr. Madhusudana Reddy
Co-ordinator of School of Chemical Sciences
Organizer of the webinar.

School of Applied Sciences

WEBINAR REPORT

Department of Chemistry, School of Chemical Sciences, REVA University, Bangalore, organized expert webinar entitled**''Symmetry and Group Theory for CSIR/UGC/NET/SLET''**on 21st June 2020 from 10.30 AM to 12:00 PM

Resource Person:
Dr. Venkatesha M A
Postdoctoral fellow NCBS Bangalore,
Founder and instructor of CSIR/ NET/ SET/GATE
Coaching center for chemical sciences

Organizer: Dr. Madhusudana Reddy
Coordinator, Department of Chemistry, SoAS
REVA University, Bangalore

Dr. Venkatesha M A is a renowned scientist and trainer for all competitive exams related to Chemistry. He visited many times to our REVA University and deliverd multiple lectures on CSIR NET/JRF examination in Chemical sciences. MSc students are inspired by Dr. Venkatesha's talk and he encouraged the students to crack CSIR exam. He is always supporting to Dept. of Chemistry, REVA University.

Dr. Venkatesha delivered a webinar on **''Symmetry and Group Theory for CSIR/UGC/NET/SLET''**.

The talk includes

- Introduction to symmetry and group theory
- Explained about elements of symmetry and symbols
- Illuminated the two fold and n-fold axis rotation
- Insight of mirror plans with examples
- Described regarding Inversion, Improper rotation along with examples
- Overall discussion of point groups
- With examples Enlighted the two group elements X and Y are conjugate
- Comprehensive discussion of Character Table
- Applications of Group theory

At the end of the talk, speaker answered for many questions raised by students and faculties .

The lecture was attended by all 2nd and 4 semester students, research scholars and faculty of chemistryREVA University and in around Bangalore. A total of 180 participants attended the live webinar and e-certificates were issued to all of them after the event.

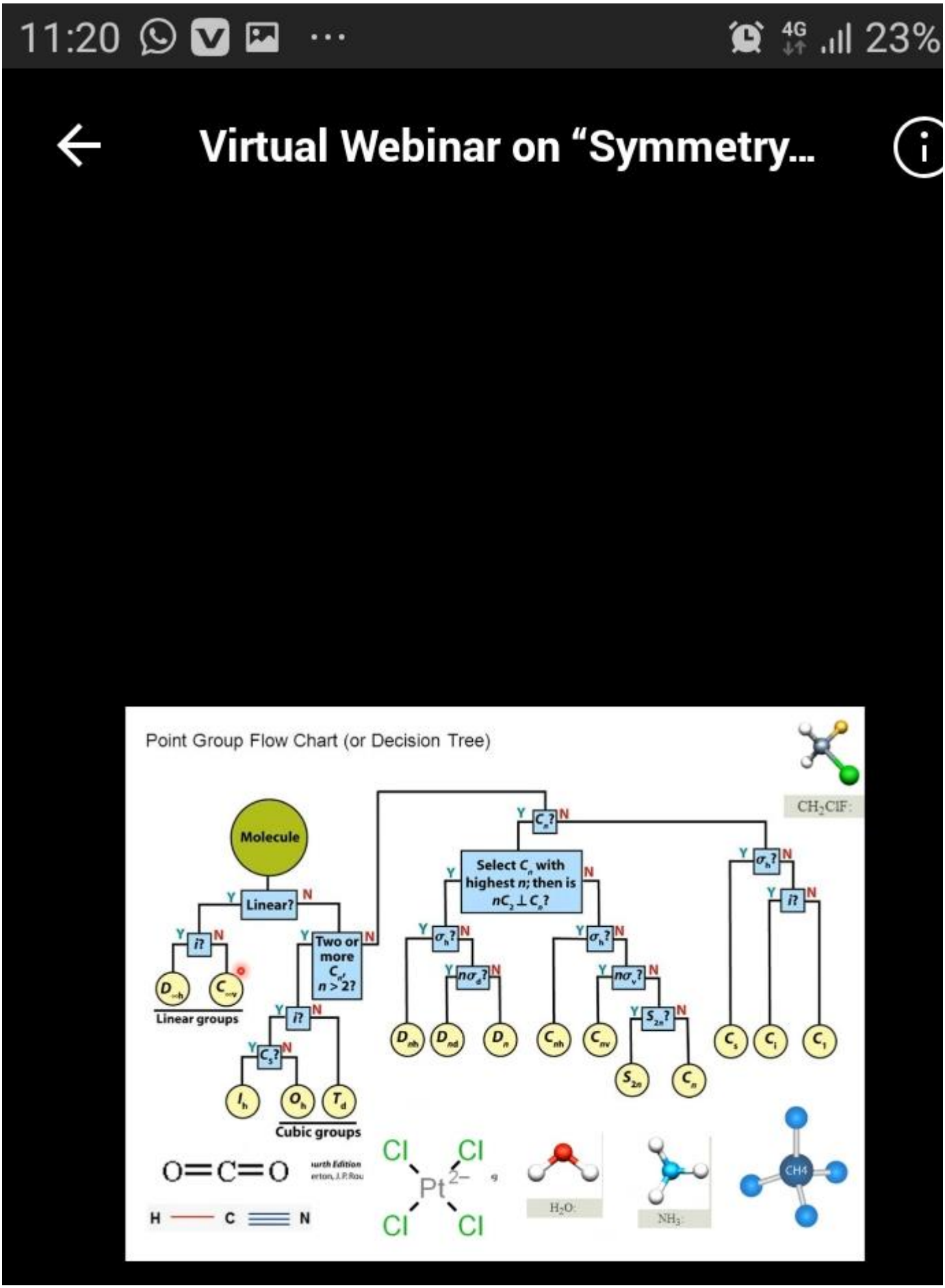
We would like to thank our Coordinator Dr. Madhusudana Reddy for organizing the event. We also thank our beloved Director, School of Applied Sciences, **Dr. Beena G.** for encouragement towards academic activities of the school.

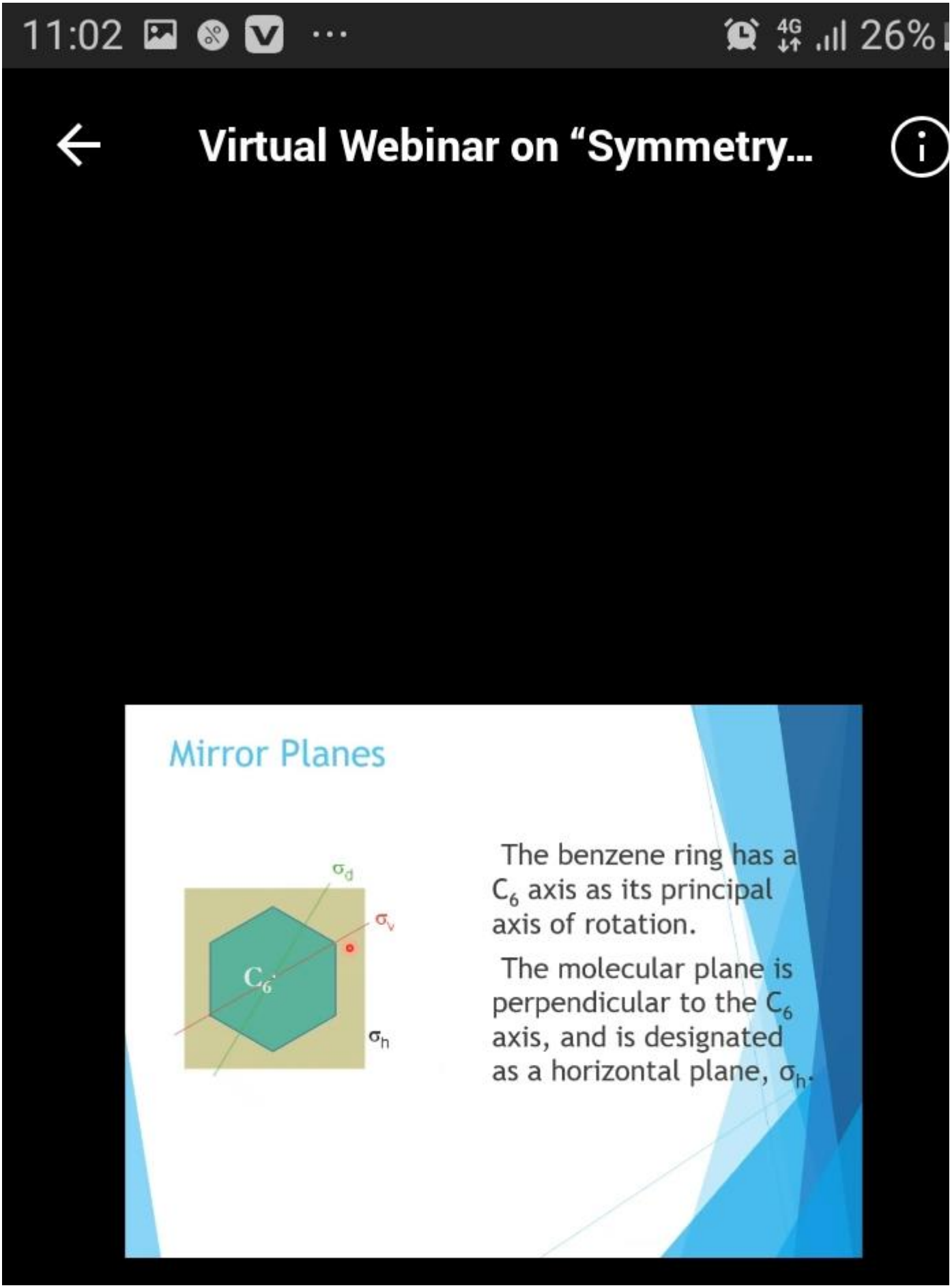
Regards

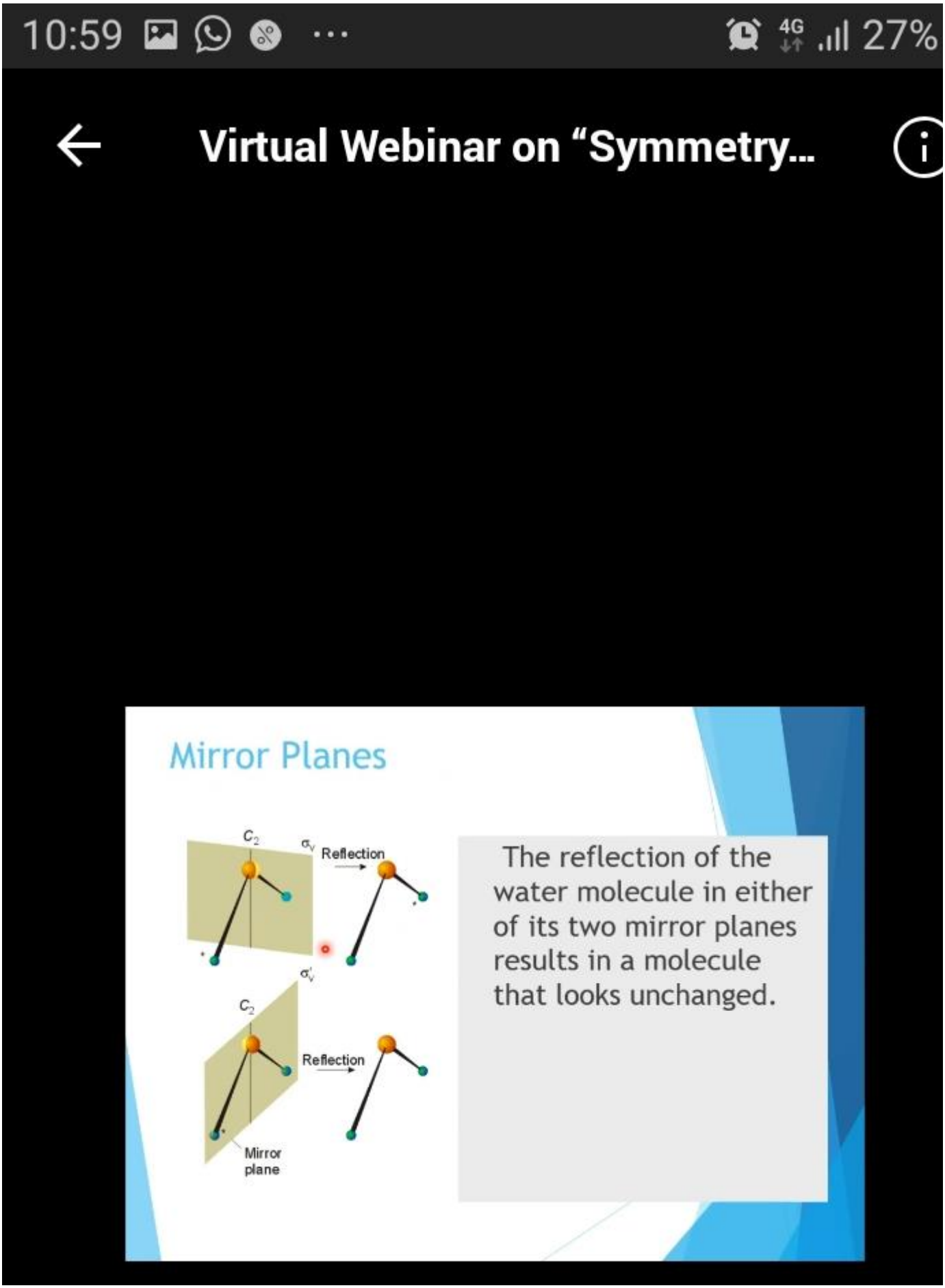
Department of Chemistry, SoAs

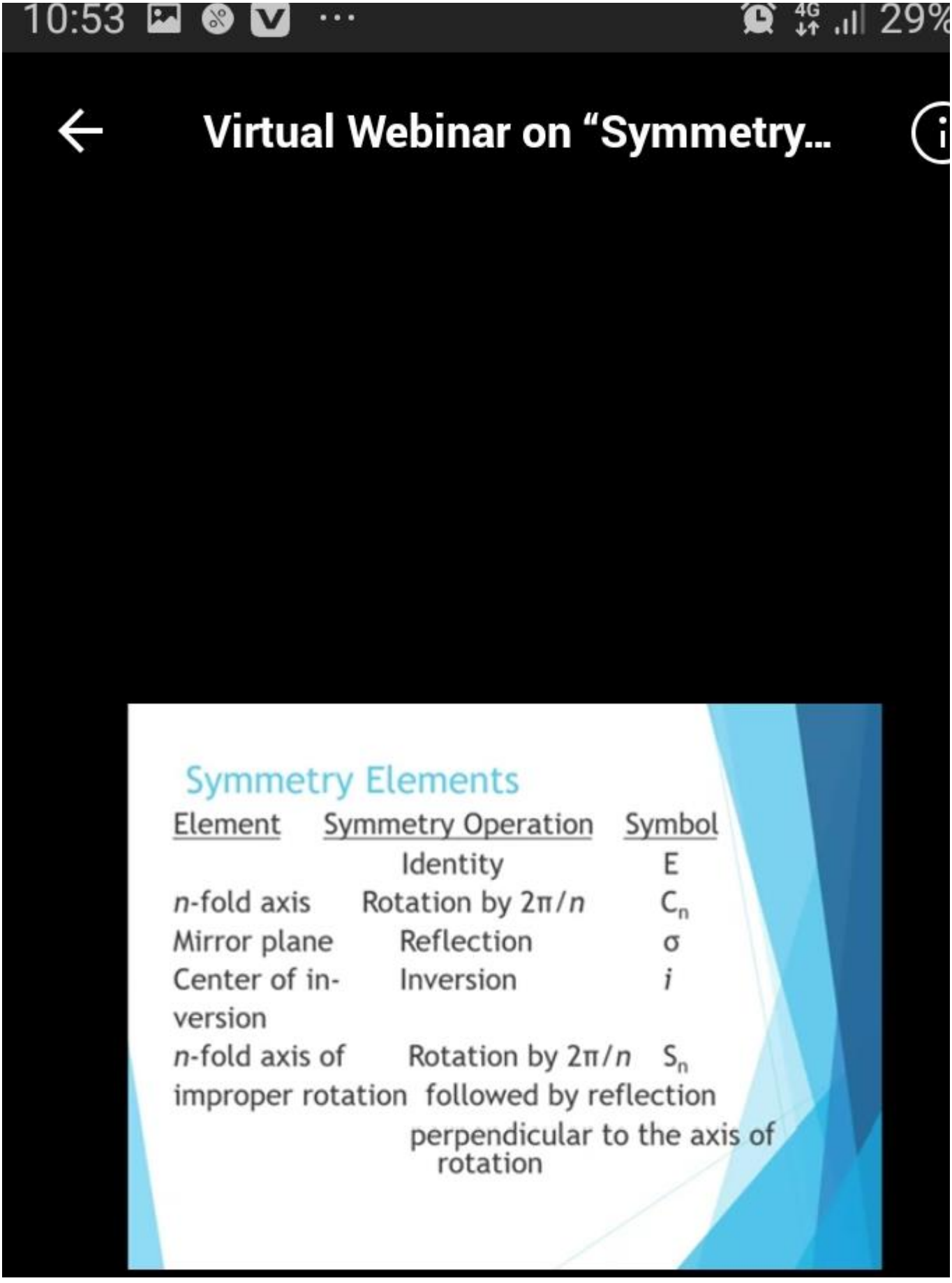
REVA University- Bangalore

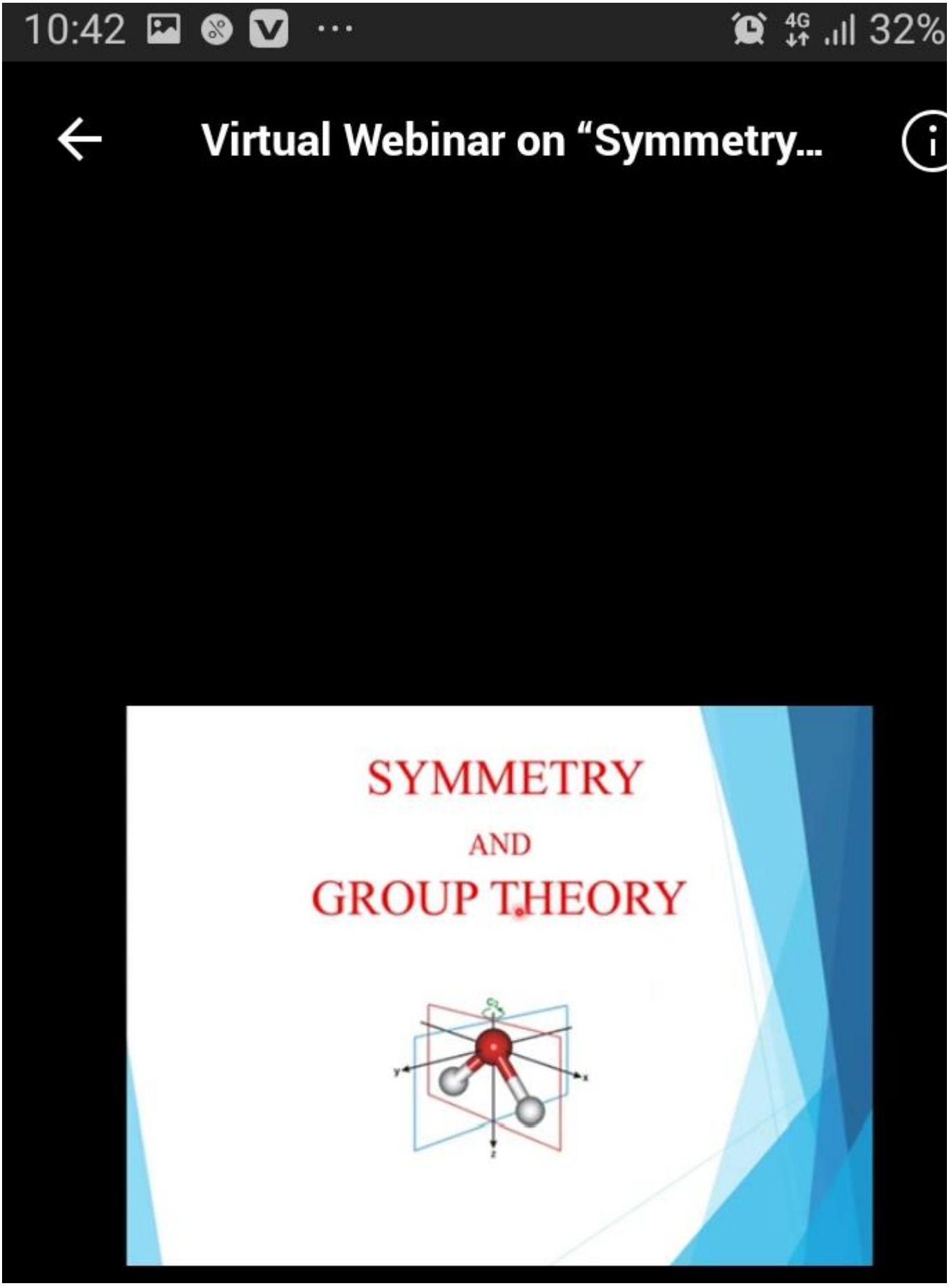
https://teams.microsoft.com/l/meetup-join/19%3ameeting_MDkwYjhlZjYtMzA0MC00YjgzLWI5YjktNzJiYTVmYTBiMWM0%40thread.v2/0?context=%7b%22Tid%22%3a%22474565c1-bca4-4295-a2f5-b0c7dbf2591c%22%2c%22Oid%22%3a%22122e94c4-c3de-4f60-95cc-fa3020869c6d%22%2c%22IsBroadcastMeeting%22%3atrue%7d


11:20
23%
Virtual Webinar on "Symmetry...
Point Group Flow Chart (or Decision Tree)
Molecule
Linear?
i?
Linear groups
Two or more C_n, $n > 2$?
C_5?
Cubic groups
Select C_n with highest n; then is $nC_2 \perp C_n$?
C_n?
σ_h?
$n\sigma_d$?
$n\sigma_v$?
S_{2n}?
CH_2ClF
H_2O
NH_3
CH4


11:02
26%
Virtual Webinar on "Symmetry...
Mirror Planes
σ_d
σ_v
C_6
σ_h
The benzene ring has a C_6 axis as its principal axis of rotation.
The molecular plane is perpendicular to the C_6 axis, and is designated as a horizontal plane, σ_h.


10:59
4G 27%
Virtual Webinar on “Symmetry...
Mirror Planes
C_2
σ_v
Reflection
σ_v'
C_2
Reflection
Mirror plane
The reflection of the water molecule in either of its two mirror planes results in a molecule that looks unchanged.


10:53
29%
Virtual Webinar on "Symmetry...
Symmetry Elements
Element
Symmetry Operation
Symbol
Identity
E
n-fold axis
Rotation by 2π/n
C_n
Mirror plane
Reflection
σ
Center of in-version
Inversion
i
n-fold axis of improper rotation
Rotation by 2π/n followed by reflection perpendicular to the axis of rotation
S_n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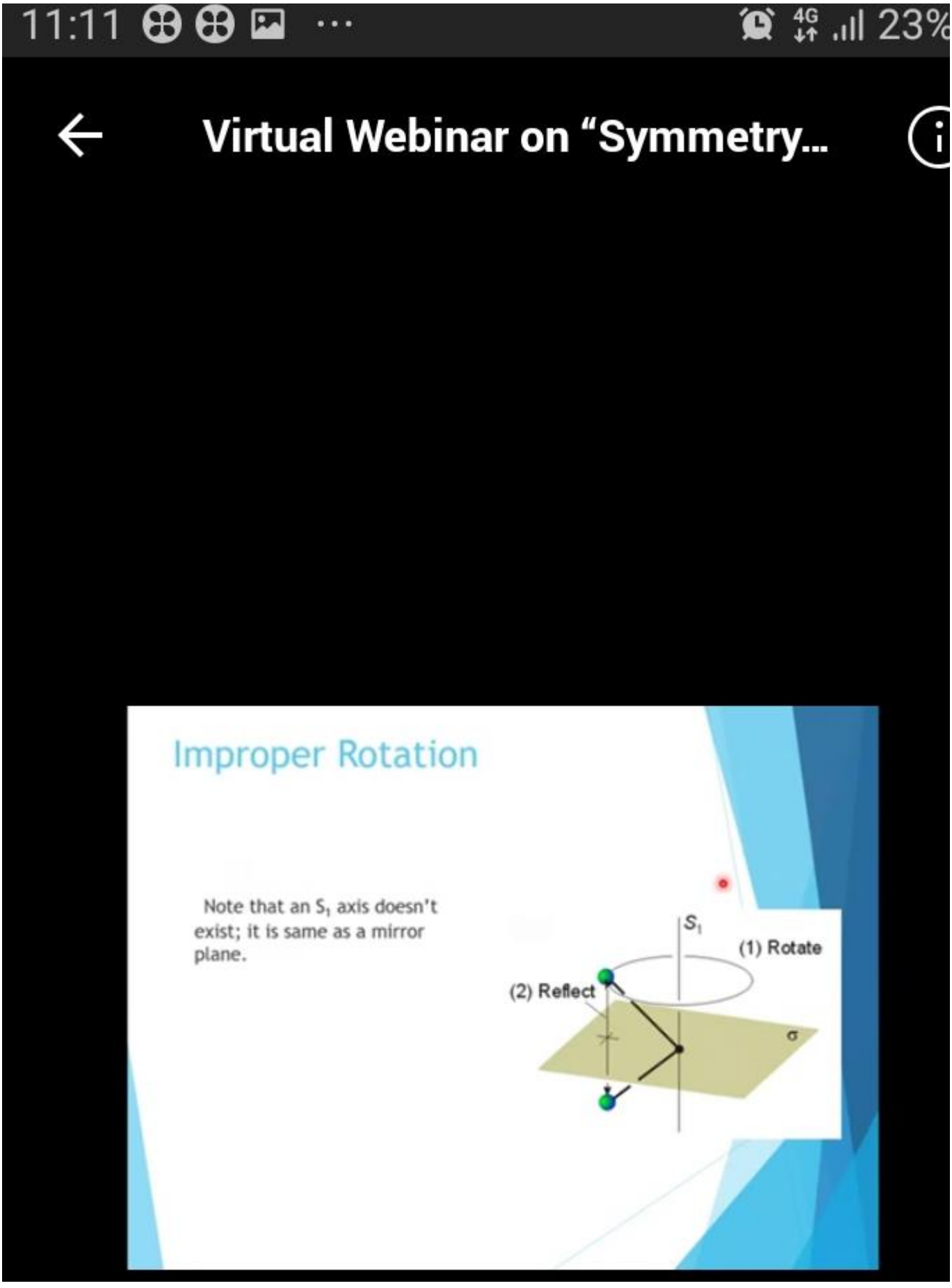
32%
Virtual Webinar on “Symmetry...
SYMMETRY
AND
GROUP THEORY


11:11
23%
Virtual Webinar on "Symmetry...
Improper Rotation
Note that an S_1 axis doesn't exist; it is same as a mirror plane.
S_1
(1) Rotate
(2) Reflect
σ

REVA UNIVERSITY
Bengaluru, India
Established as per the section 2(f) of the UGC Act, 1956
Approved by AICTE, COA and BCI, New Delhi

Faculty of Commerce and Management Studies

Organises

FDP on Fundamentals of Research Writing and Publications

Guest Speaker

Mr. Rushabh Trivedi
Research Fellow, School of Management Studies
University of Hyderabad

WhatsApp group link: https://bit.ly/2YZ75p7 • Registration form link: https://bit.ly/2Nt16TX

Date : 29th June to 3rd July, 2020
Time : 2:00 P.M. to 3:00 P.M.

E-certificates will be provided to all the participants

www.reva.edu.in

REVA UNIVERSITY
Bengaluru, India

FACULTY OF COMMERCE AND MANAGEMENT STUDIES

Virtual FDP on "Fundamentals of Research Writing and Publications"

Date: 29-06-2020 to 03-07-2020

Time: 2:00 pm to 3:00 pm

Presenter - Mr. Rushabh Trivedi
Research fellow
School of Management Studies,
University of Hyderabad, Hyderabad, Telangana.

Venue: Online – Google Meet

Five-day Virtual Faculty Development Program on "Fundamentals of Research Writing and Publications" was organized by the Faculty of Commerce and Management. The session was organized for the benefit of faculties who want to take-up quality research and publish papers. The FDP received an overwhelming response from participants across the country. More than 800 Registered. We accommodated 250 participants from different parts of the country were benefited by the Virtual FDP. Pre readings were given by the guest speaker to prepare the participants for the 5-day FDP session. The session started with a brief introduction of the resource person Mr Rushabh Trivedi and followed by the session. It was an interactive session. Session for five days was carried out as below.

- **Day 1**
  - Date: - 29-06-2020
  - Time: - 2:00 pm to 3:00 pm

On the first day Mr Rushabh explained the importance and basic elements of theory. He enlightened the participants on how a good paper or article should be. He explained this on the basses how a paper should answer the question such as *What? Why? How? When?* regarding its contribution to research. The reasons why some papers are rejected was explained with the help of practical examples. Mr Rushabh explained on how to use and test an existing theory as well as how to build a new theory. He explained the importance of observation in research with the "Aristotle's Theory of Science". At the end of the session queries of the participants were answered by the resource person.

- **Day 2**
  - Date: - **:** 30-06-2020
  - Time: - 2:00 pm to 3:00 pm

In the second day session the resource person focused identifying research topic and choosing appropriate research design. The basic structure of a paper was given on the day two which was explained in detail in the present and the later sessions. Mr Rushabh explained about the five distinct criteria of effective topic selection which are Significance, Novelty, Curiosity, Scope and Actionability. All the criteria were explained with a practical insight. The session also focused on how to choose an appropriate research design. At the end of the session queries of the participants were answered by the resource person.

- **Day 3**
  - Date: - 01-07-2020
  - Time: - 2:00 pm to 3:00 pm

The topic of discussion on the third day was understanding anatomy of a research article, drafting abstract and introduction session. A brief explanation was given on why an abstract is an important part of a paper and how an abstract has to highlight the main aspects of the paper. Aspects on the contents of *Introduction* part of the paper was explained in the later part of the session. Sir explained how the *Introduction* should focus on importance of the general area of interest, what has already been done, identifying important gaps. At the end of the session sir explained about what are the common mistakes a researcher does in the *Introduction* part of the session. Queries of the participants were taken and answered by the resource person.

- **Day 4**
  - Date: - 02-07-2020
  - Time: - 2:00 pm to 3:00 pm

Session on the fourth day focused on integration of a theory and how to develop a hypothesis. Sir referred hypotheses are the heart of a paper, and developing hypotheses is one of the most important tasks in crafting effective theory. On what bases the variables of the hypothesis are selected to construct a theory was explained with the help of Organizational theories. At the end session Model of Work-Family enrichment was explained by the resource person and the queries of the participants were answered.

- **Day 5**
  - Date: - 03-07-2020
  - Time: - 2:00 pm to 3:00 pm.

Last days session focused on multivariate data analysis. He explained how relationship can be examined between two or more variables by using multivariate analysis. The session enlightened the participant on the various topics like variate, nonmetric (qualitative) measurement scales, metric (quantitative) measurement scales. measurement error, impact of measurement error, statistical power, stages in structural equation modeling, multivariate methods. He concluded the session and the 5 days FDP program by giving an overview of all the sessions as well as by taking questions from the participants. There was an overwhelming response from the participants.

There was an overwhelming response for the Virtual FDP on “Fundamentals of Research Writing and Publications". Totally 250 faculties and research across India were attended the FDP. Out of 250 participants 90 % of the participant has strongly agreed that the FDP was useful. Majority (90%) of the participant have mentioned that FDP was well planned, structured, organized and it was relevant to their role. (89%) of the respondents were highly satisfied with the materials shared by resource person. 93% have mentioned that resource person was explained the content with good number of examples. 95 % of the respondent believed that the facilitator is an effective teacher. Overall 90% of the respondents were highly satisfied with the learning gained from the FDP. Suggestions were considered from all the respondents for the betterment of the forth coming program.

Coordinators

Dr. Harani B &Dr. Urmila Itam

REVA UNIVERSITY
Bengaluru, India

School of Computer Science and Applications

Technical Talk on "How to do High Quality Research and Write Acceptable Papers"

FDP Name	How to do High Quality Research and Write Acceptable Papers
Audience	Students of 8th and 6th B.sc (R)
Date	Friday, 27th December 2019
Timing	10.30 am to 12.30 pm
Number of audience participated	100
Venue	Library Seminar Hall
Resource person:	Dr. S Senthil, Director, REVA University
Event organizing Body	School of Computer Science and Applications, REVA University

Objective of the session

A research paper is a piece of academic writing based on its author's original research on a particular topic and analysis together with interpretation of research findings. Writing a research paper can be a little intimidating at times. Students, especially those new to the rigors of academia, often feel anxious about the process especially that the paper writing and choosing the right topic and steps to be followed.

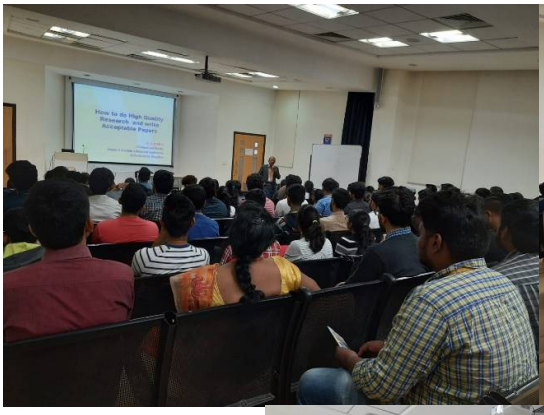
Topics discussed in Session

- Introduction to research paper.
- Types of research paper.
- How to write a technical paper.
- Knowledge sharing and collaboration with team members.
- Retrieving the right set of articles among the right text articles.
- Meaning of RE-Search.
- Steps to follow while writing Papers from title to references.
- Awareness about UGC Cartelist.
- Do's and Don'ts in writing a quality technical paper in Scopus indexed journal.
- Delivering research better than ever.

Benefits

- The session offered valuable guidance on everything from how the scopus publishing process works to basic writing tips and submitting a manuscript.
- The goal of the session was to enable faculty, and authors to advance technology and their careers by enhancing their ability to get published and share their research with the scholarly community.
- Tracking technology trends, browse titles by topic areas to find subject specific information, across all journals content.

Photos



REVA UNIVERSITY
BANGALORE • INDIA

School of Computer Science and Applications

Technical session

on

Importance of Microsoft Certification in Career Development

Technical Session	Importance of Microsoft Certification in Career Development
Audience	III BCA, III & V MCA, I & III MS, V & VII BS Students
Date	Friday, 23rd August 2019
Timing	9.30 am to 1.30 pm
Number of audience participated	250
Venue	Library seminar hall and Justice hedge hall, Swami Vivekananda Block
Resource person:	Mr. Sandeep Giyyan JJethani Co-Founder, ATS Learning Solution. Mr. Manish Kumar Singh, Head Institutional Collaboration
Event organizing Body	School of Computer Science and Applications, REVA University

Objective of the Session

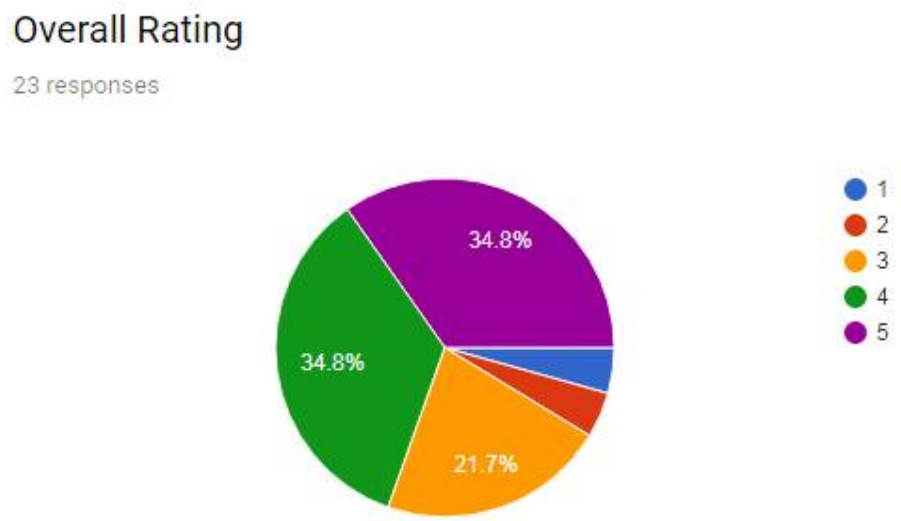
- Professionals can expect career advancement from certification.
- Regularly use certifications as selection criteria for hiring and promotion, and are willing to pay certified professionals more.
- Some fields, like security, networking, and cloud are completely shaped by certifications.
- The credentials define a clear career ladder from beginner to expert, validating qualifications at each career stage.

Agenda of Session

- Microsoft Certified Professional, helping to get noticed and move forward quickly in career. Compared to their peers, Microsoft certified developers are 90% more productive and nearly 60% more efficient.
- Microsoft badge empowers to share certification online with professional network, find the employers that are looking for candidates, discover salary potential, and easily apply for jobs.
- The talk emphasized on making yourself well-acquainted with formidable technology platforms such as Machine Learning, AI, Deep Learning and IOT, and meeting the industry demands. On undergoing the certification course conducted by the Microsoft team, students would be provided with the Microsoft Certificates on various Platforms

Benefits of the Session

- Certifications give a professional edge by providing globally recognized industry endorsed evidence of skills mastery, demonstrating your abilities and willingness to embrace new technologies.
- Verify skills and unlock opportunities.



Evidences for implanting.

- In my future
- For a good job opportunities
- Increase my knowledge
- Developing app
- Developing apps
- By using these codes...
- I can use it to develop apps
- Network Security
- Technology associate for data science
- In my placement & work space
- Placement
- Marks and certificates
- It shall develop the student skill over cross platform applications also a certificate from Microsoft would be a boon for placements
- practically proving

Comments:

- Ensure it is implemented efficiently
- Still more classes
- Looking for more information
- The session was informative and interesting cleared lots of doubts and also helped in giving a different perspective about the jobs out there
- Nil
- Good
- The time duration of class can increase
- Providing certification is better than just telling about it.
- I probably it's a good sdp
- beneficial proof
- Teaching is good

REVA UNIVERSITY
Bengaluru, India

School of Computer Science and Applications

Name	Guest Lecture on "Personality grooming session and Interview Tips."
Audience	1st MS and 7th BS and 5th MCA
Date	24th September 2019
Timing	11.00 to 1 p.m
Number of audience participated	200
Venue	Sir.C.V Raman Block. Kalpana Chawala Seminar hall
Resource person:	Mr. Deepak Mukupadayay, Life Coach, executive coach, Soft Skills Trainer. REVA Placement Team
Event organizing Body	School of CSA REVA University

Objective of the Session

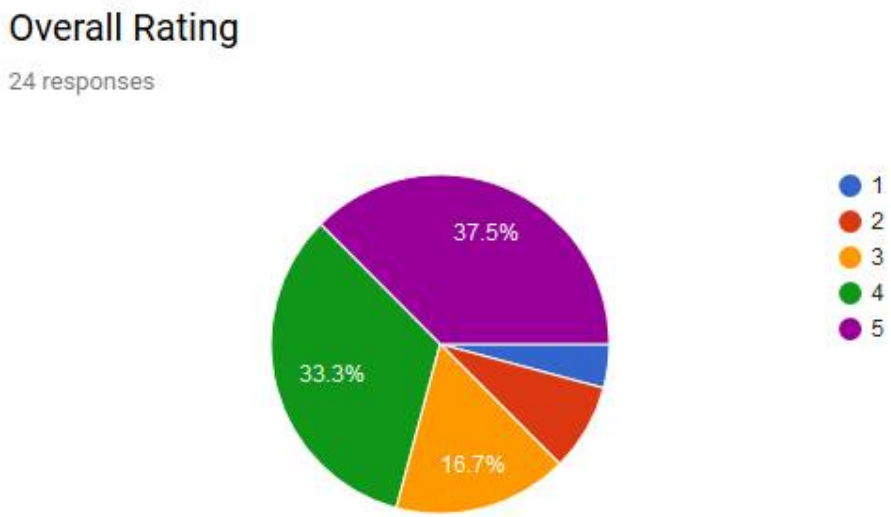
The main purpose of the training is to impart skills such as Personality Skills that would aid in the employability of the students. To provide the skills sets required during Interviews. To guide and provide right module of training to improve their employability skills.

Topics discussed in the session.

- Difference between successful and Unsuccessful.
- Common requirement in every human being.
- Resume writing tips
- Appearance tips for Interview. Appearance, Body language, communication skills.
- Practice and Prepare
- Develop a Connection With the Interviewer
- Practice good nonverbal communication
- Use appropriate language
- Bring a professional looking folder to carry your Mark sheets, Resume and Certificates.
- Do's and Don'ts in Interview
- Personal scent

Feedback: Students were happy with the session. Overall it was good session

FeedBack:



Evidences will be shown by:

- Fyn
- I will implement this learning in my daily routine
- In a positive attitude
- Practice
- Useful to build my career
- Useful in placemey
- In job interviews and in upcoming professional life.

- Better results
- Appearance body language communication
- It was useful
- For further process i wil implement
- I will implement further process
- Applying this in future.
- Attending placements with confidence.
- Got knowledge about how to face an interview
- My future
- To my job
- More research

Any comments/Suggestion

- Session was so awesome. I like it
- Nothing
- Little more information was required
- Awesome
- Wish to have this session again
- No comments
- Good
- Well experience
- Helped on preparing for good studies and job.
- The demo was good

School of Computer Science and Applications

A Session on "Career Opportunities in Japan"

Name	Career Opportunities in Japan
Audience	School of CSA –Students of V MCA and I MS
Date	14-11-2019 to 19-10-2019
Timing	8.30 A.M to 4.30 P.M
Number of audience participated	150
Venue	Justice Hegde Hall Basement Swami Vivekananda Block
Resource person:	Dr..Promod, Senior Vice President , Eduwork Japan
Event Organised by	Dr.S Senthil Director School of Computer Science and Applications, REVA University.

Objective of the Program:

- Introduction to Job Opportunities.
- Skills required to get job.
- Motivation to participate in Placements.
- Explained Technology, Culture, Facilities in Japan.
- Resume Tips.

Photos

REVA UNIVERSITY
Bengaluru, India

School of Computer Science and Applications

Technical Talk on Intellectual Property Rights

Name	Technical Talk on Intellectual Property Rights
Audience	III MCA and 1st MS Students
Date	8th Nov 2019
Timing	10.30 a.m to 12.50 p.m
Number of audience participated	120
Venue	C.K Prahald Hall, Swami Vivekananda Block.
Resource person:	Ms. Arshiya , Corporate Executive Trainer REVA University
Event organizing Body	Dr. S Senthil School of Computer Science and Applications, REVA University

About the Program

To train the students aimed at gaining better clarity towards IPR-Intellectual Property Rights. Intellectual property rights are the rights given to persons over the creations of their minds. They usually give the creator an exclusive right over the use of his/her creation for a certain period of time.

Highlights of Session.

- Introduction to IPR
- An Example of History of Ekalvya and Dronacharya.
- Patent- Importance of Patents, Requirement/Necessary of patent.
- Trademark
- Copy Rights
- Trade Secrets

Intellectual property refers to creations of the mind: inventions; literary and artistic works; and symbols, names and images used in commerce. Intellectual property is divided into two categories: Industrial Property includes patents for inventions, trademarks, industrial designs and geographical indications. Copyright covers literary works (such as novels, poems and plays), films, music, artistic works (e.g., drawings, paintings, photographs and sculptures)and architectural design. Rights related to copyright include those of performing artists in their performances, producers of phonograms in their recordings, and broad casters in their radio and television programs.

A trademark is a distinctive sign that identifies certain goods or services produced or provided by an individual or a company. Its origin dates back to ancient times when craftsmen reproduced their signatures, or “marks”, on their artistic works or products of afunctional or practical nature. A patent is an exclusive right granted for an invention – a product or process that provides a new way of doing something, or that offers a new technical solution to a problem.

REVA UNIVERSITY
Bengaluru, India

School of Computer Science and Applications

FDP on "How to do High Quality Research and Write Acceptable Papers"

FDP Name	How to do High Quality Research and Write Acceptable Papers
Audience	CSA Staffs
Date	Saturday, 20th July 2019
Timing	9.30 am to 12.30 pm
Number of audience participated	30
Venue	III floor lab, Swami Vivekanada Block
Resource person:	Dr. S Senthil, Director, REVA University
Event organizing Body	School of Computer Science and Applications, REVA University

Objective of the FDP

- How to write a technical paper.
- Knowledge sharing and collaboration with team members.
- Retrieving the right set of articles among the right text articles.

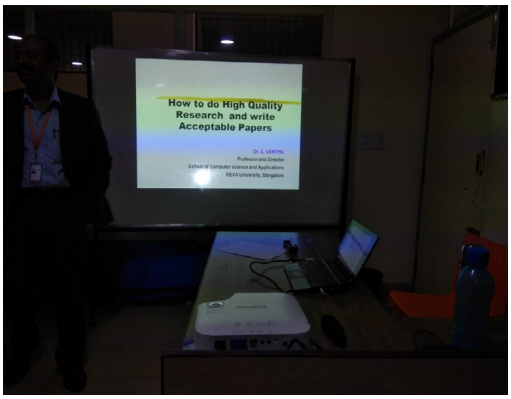
FDP Agenda

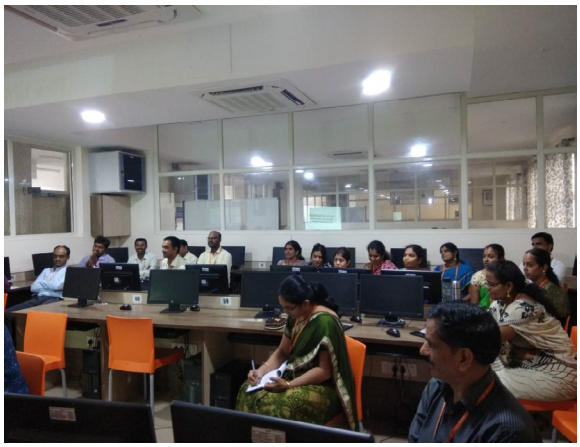
- Meaning of RE-Search.
- Steps to follow while writing Papers from title to references.
- Awareness about UGC Cartelist.
- Do's and Don'ts in writing a quality technical paper in Scopus indexed journal.
- Delivering research better than ever.

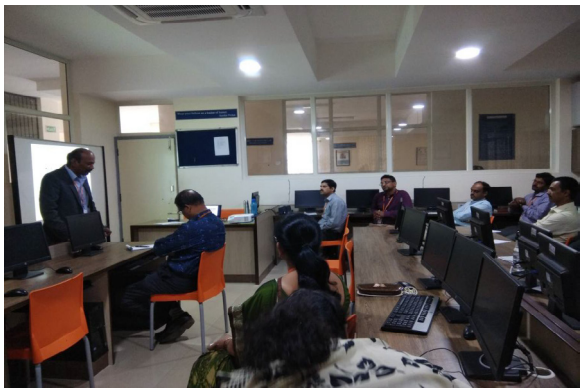
Benefits of the FDP

- The session offered valuable guidance on everything from how the scopus publishing process works to basic writing tips and submitting a manuscript.
- The goal of the session was to enable faculty, and authors to advance technology and their careers by enhancing their ability to get published and share their research with the scholarly community.
- Tracking technology trends, browse titles by topic areas to find subject specific information, across all journals content.

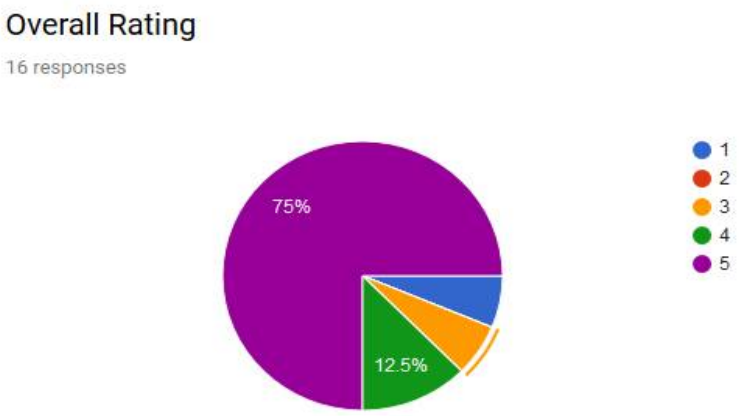
FDP Photos







Feedback: Overall feedback from the faculties was extremely good.



Need more sessions like this
Excellent session

need more sessions like this
it's really a very knowledgeable session and got lots of idea about publishing papers
NIL
Very worthful session.
Overall fair
Excellent
It is too good
Session was very good. It was short and precise session. With examples, do 's and Don't for each and every topic.
Good session for research scholars.
session is good and useful
It's very good

School of Computer Science and Applications

A Session on "Career Opportunities in Japan"

Name	Career Opportunities in Japan
Audience	School of CSA –Students of V MCA and I MS
Date	14-11-2019 to 19-10-2019
Timing	8.30 A.M to 4.30 P.M
Number of audience participated	150
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Objective of the Program:

- Introduction to Job Opportunities.
- Skills required to get job.
- Motivation to participate in Placements.
- Explained Technology, Culture, Facilities in Japan.
- Resume Tips.

Photos

REVA UNIVERSITY
Bengaluru, India

School of Computer Science and Applications

Guest Lecture on "RedHat Certifications"

Name	Guest Lecture on "RedHat Certifications"
Audience	School of CSA -UG IV BCA and PG-IV MCA, 2nd MS
Date	25th February 2020
Timing	10:50 A.M to 12.45 P.M 2 to 4.
Number of audiences participated	400
Venue	C.K Rao Hall
Resource person:	Mr Ramesh Padmanavan -Director GLS APAC Head REDHAT, Mr Geo - Partner Account Manager,REDHAT Mr Sidhartha Khuntia -Sales & Marketing Manager,COSS,
Event organizing Body	School of Computer Science and Applications, REVA University
Event organizer	Dr.S Senthil and Team

About the Program

The main objective of the session was to create awareness for students about the session RED HAT Academy programs with academic institutions to offer top-quality education programs on Red hat technologies to help students reach their academic and career potential.

Red Hat is committed to the ideology of Open source and aims to spread awareness on Open Source technologies and forums as we believe the way forward is Open source. Main aim through such outreach programmes is to make the academicians and students aware of the technologies and encourage them to become active members of communities.

- Talk on Redhat Portfolio.
- Plan for FY20-21
- Challenges and it's solutions - jointly by REVA management and Redhat.
- Discuss about REVA's vision to make at least 30% students Redhat certified (Eg:).
- Emerging technologies
- the value and importance of Redhat certification
- Talk on new Technologies & redhat offerings
- How to bridge the gap between academy & industry

KICK START YOUNG
Red Hat
Academy

REVA UNIVERSITY
Bengaluru, India

School of Computer Science and Applications

Technical Talk on Intellectual Property Rights

Name	Technical Talk on Intellectual Property Rights
Audience	III MCA and 1st MS Students
Date	8th Nov 2019
Timing	10.30 a.m to 12.50 p.m
Number of audience participated	120
Venue	C.K Prahald Hall, Swami Vivekananda Block.
Resource person:	Ms. Arshiya , Corporate Executive Trainer REVA University
Event organizing Body	Dr. S Senthil School of Computer Science and Applications, REVA University

About the Program

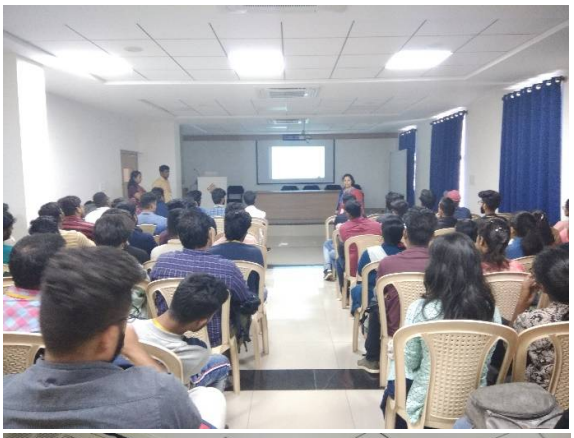
To train the students aimed at gaining better clarity towards IPR-Intellectual Property Rights. Intellectual property rights are the rights given to persons over the creations of their minds. They usually give the creator an exclusive right over the use of his/her creation for a certain period of time.

Highlights of Session.

- Introduction to IPR
- An Example of History of Ekalvya and Dronacharya.
- Patent- Importance of Patents, Requirement/Necessary of patent.
- Trademark
- Copy Rights
- Trade Secrets

Intellectual property refers to creations of the mind: inventions; literary and artistic works; and symbols, names and images used in commerce. Intellectual property is divided into two categories: Industrial Property includes patents for inventions, trademarks, industrial designs and geographical indications. Copyright covers literary works (such as novels, poems and plays), films, music, artistic works (e.g., drawings, paintings, photographs and sculptures)and architectural design. Rights related to copyright include those of performing artists in their performances, producers of phonograms in their recordings, and broad casters in their radio and television programs.

A trademark is a distinctive sign that identifies certain goods or services produced or provided by an individual or a company. Its origin dates back to ancient times when craftsmen reproduced their signatures, or “marks”, on their artistic works or products of afunctional or practical nature. A patent is an exclusive right granted for an invention – a product or process that provides a new way of doing something, or that offers a new technical solution to a problem.



REVA UNIVERSITY
Bengaluru, India

School of Computer Science and Applications

Webinar on "**Debugging Techniques"**

Name	Webinar on "Debugging Techniques"
Audience	VI MCA, IV MCA, II MCA, IV MS, II MS, VIII B.Sc(R), IV B.Sc(R), VI BCA, IV BCA
Date	9th May 2020
Timing	2.00 to 4. PM
Number of audience participated	600
Venue	_
Resource persons:	Mr. Ravindra Kondekar, Software Scientist, Fintech company in US
Event organizing Body	School of CSA REVA University

Objective of the Session

Debugging - It is a systematic process of spotting and fixing the number of bugs, or defects, in a piece of software so that the software is behaving as expected. , the best thing to do is to **avoid the bug when you write the program in the first place!** It is important to sit and think before you code: decide exactly what needs to be achieved, how you plan to accomplish that, design the high-level algorithm cleanly, convince yourself it is correct, decide what are the concrete data structures you plan to use, and what are the invariants you plan to maintain. All the effort spent in designing and thinking about the code before you write it will pay off later. The benefits are twofold. First, having a clean design will reduce the probability of defects in your program. Second, even if a bug shows up during testing, a clean design with clear invariants will make it much easier to track down and fix the bug.

Topics discussed in the session

- Bug Prevention and Defensive Programming
- Classes of Defects
- Debugging strategies
- Debugging by brute force
- Induction strategy
- Deduction strategy
- Backtracking strategy and
- □ Debugging by testing

REVA UNIVERSITY
Bengaluru, India

School of Computer Science and Applications

Expert Talk on "**Outcome Based Education**"

Name	Expert Talk on "Outcome Based Education"
Audience	Faculty
Date	24th May 2020
Timing	3.00 to 4.30 PM
Number of audience participated	38
Venue	_
Resource persons:	Dr. Bhagavanalu REVA University
Event organizing Body	School of CSA REVA University

Objective of the Session

The program intended to provide guidelines to the faculty members for gaining better clarity towards various aspects of Course Outcomes and Program Outcomes, PO attainment. The program also emphasized on the importance of PEO's (Program Educational Objectives), to prepare the student to an education to fit for the kind of job opportunities and job roles.

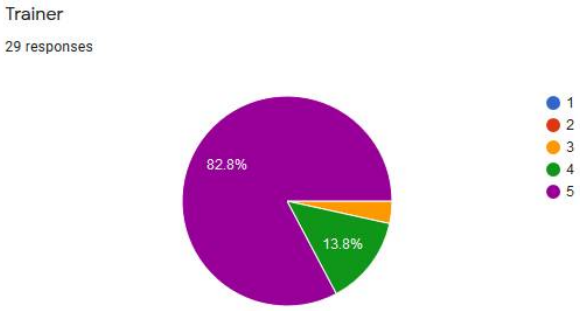
Demonstration of the concept "Seamless Integration of academic process" includes the importance of Course outcome, Objectives of the program, PEO's. Specific Outcomes (PSOs) are the qualities that must be imbibed in the graduates by the time of completion of their program.

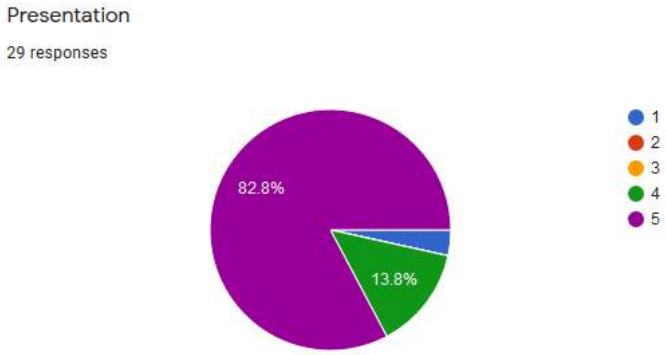
Topics discussed in the session

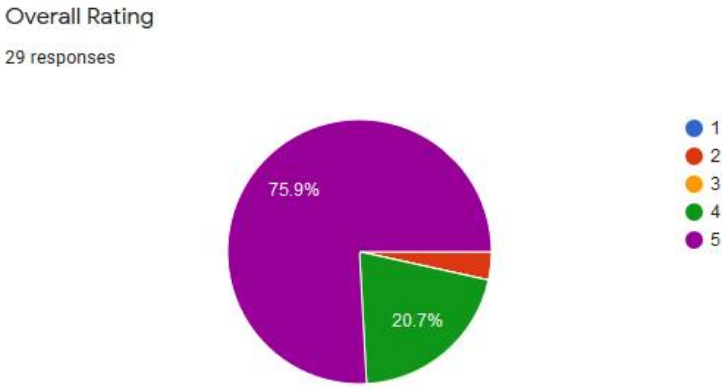
- Importance of Course Objectives, PEO'S, Course Outcome, CO-PO Mapping.
- Outcome Based Education, learner centric domains and assessment.
- Defining Program Educational Objectives (PEOs)of the Department.
- Establishing relation between PEOs and POs to setup target level of PO attainment.
- Defining relation between Course Outcomes (COs) and POs for each course to obtain overall CO mapping with each POs.
- Development of overall CO-PO mapping matrix for all courses.
- Computation and construction of overall CO attainment matrix for each course using course assessment tools.
- Computation of overall PO attainment.
- Comparison of target level and obtained PO attainment

Feedback -Expert Talk "Outcome Based Education"

Trainer







How will I implement this learning in my subject/my role? Evidences will be shown by: 29 responses

- PO attainment
- To define course objectives and outcome
- co po mapping for my course and it's calculation of attainment.
- I learnt how to write COs and I need to map those with POs.
- Try to map all po,PSO,co,CSO
- I implemented practically my question paper right after the session got over and send it to our director sir.
- In my course file
- CO/po mapping
- Students how much they understand or utilize through applying mappings based on the course and programme outcomes
- CO’s and PO’s
- Preparation of, PEO, PSO, PO and CO

- Implementation of concepts on course
- Academic
- Mapping co and po for my courses
- Next Semester
- COs, POs
- Map co with po
- Course file
- By trying to write CO's .
- I can implement in preparation of course files,question papers
- Course files
- I will try to implement Co's, PO'S, PEO'S in course file.
- By mapping pos and cos to course and finally all students has to achieve program outcomes.
- By implementing them.in my allotted subjects.
- Course delivery
- This can be implemented in preparation of course file.
- -
- After maping CO and PO then we can check PO attenment

Comments

- Excellent session
- It was very informative
- Session was very informative and useful
- We understand how to map
- Good Session
- Need more sessions like this.
- Mapping between cos and pos
- Very informative
- I will Implement this in consequent semester
- Session was informative
- Very informative
- -
- It was a good session
- Nothing
- Very briefly explained.
- Enlightening session
- Very good and informative
- Session was interactive and informative.
- Excellent
- One more descriptive session is needed
- if sir is showing how to maping CO and PO, surely helping us.

REVA UNIVERSITY
Bengaluru, India

School of Computer Science and Applications

Technical Talk on Intellectual Property Rights

Name	A Talk on Intellectual Property Rights
Audience	8th BSc(R) Students
Date	7th Feb 2020
Timing	10.30 a.m to 12.50 p.m
Number of audience participated	60
Venue	Class room 415 Swami Vivekananda Block. Entrepreneurship
Resource person:	Ms. Arshiya , Corporate Executive Trainer REVA University
Event organizing Body	Dr. S Senthil School of Computer Science and Applications, REVA University

About the Program

To train the students aimed at gaining better clarity towards IPR-Intellectual Property Rights. Intellectual property rights are the rights given to persons over the creations of their minds. They usually give the creator an exclusive right over the use of his/her creation for a certain period of time.

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into two categories: Industrial Property includes patents for inventions, trademarks, industrial designs and geographical indications. Copyright covers literary works (such as novels, poems and plays), films, music, artistic works (e.g., drawings, paintings, photographs and sculptures)and architectural design. Rights related to copyright include those of performing artists in their performances, producers of phonograms in their recordings, and broad casters in their radio and television programs.

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REVA UNIVERSITY
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SCHOOL OF COMPUTER SCIENCE AND APPLICATIONS

Report on Technical Talk on Planned Precision Agriculture using Artificial Intelligence and IOT

By

Dr.Heggere Ranganath (University of Alabama, Huntsville, USA)

Date : 10/1/20

Venue: Justice Hegde Seminar Hall, SV Block, REVA University.

Audience: B.Sc(Research) students(4,6,8) and Ms(CS) students

A technical talk was given by Dr.Ranganath(UAH) on Planned Precision Agriculture using Artificial Intelligence and IOT. He began his talk by highlighting the importance of Agriculture today, due to the increase in population by 50% in the year 2050. There is a need for more food and potable water. Planned agriculture based on the use of Data Analytics, AI and IOT in Agriculture with the aim of using less resources and gives more profit. As more potable water is used for agriculture, he emphasised that planning the crops that will be planted should be based on water consumption of the plant.

Planning agriculture is based on looking for the food requirement for the next 3 years based on food habits, consumption, population. This gives a picture on national requirements. What to grow, how much to grow, what to export. Also to cultivate food items which is cheaper to cultivate using less resources.

He insisted the use AI right from planting seed to Harvest and the various means of using IOT sensors to study the nature of soil, climate, water content etc. He said the use of sensors in drones, tractors etc to identify the various factors to be considered.

REVA UNIVERSITY

BANGALORE • INDIA

Report on Visit by Dr. David Berkowitz, Dean, School of Graduate studies, UAH,USA

Audience: Parents and Students selected for MS program in UAH.

A team of delegates consisting of Dr. David Berkowitz, Dean, School of Graduate studies, UAH,USA , Dr. Ranganath and Dr. Harsh the representative of UAH in India addressed the students who got their admission letters for MS program in UAH. They encouraged the students to prepare well for GRE and IELTS/TOEFL, where students with a good score in GRE of 315 and above will get finance assistance. Also students who get a score of above 6.5 in IELTS may get teaching assistantship.

Dr.David insisted about more hard work and a minimum of 15 hours of study/week per course may be required to compete with international students in UAH.

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Report on

"Entrepreneur in ME"

In REVA University

School: School of Computing and Information Technology
Semester: 3th Semester- A and B section
Number of Students: 120
Venue: Sir Justice Hedge Seminar Hall, Vivekananda Block, REVA University
Dates: 20th September, 2019
Faculty Coordinators: Malathi R, Keerthana K, Adithya P, Prof. Basavaraj S H,

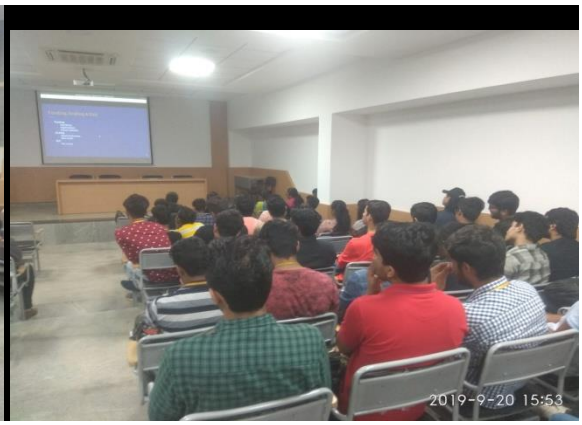
"Entrepreneur IN ME" for the School of C & IT students. The main objective of the Camp was to get aware the students about the different areas of skills where they can establish themselves as Entrepreneur and create the job for others.

The training was conducted by resource person, Pradeep Gopal, Founder of BUX LABS.

We would like to thank our Honorable Chancellor **Dr. P. Shyama Raju Sir** for providing all facility and supporting to organize such events. We also thank Vice Chancellor **Dr. S.Y. Kulkarni,** Registrar **Dr. M. Dhanamjaya**, Dean, Placement, Training, and Planning **Dr. N. Ramesh.** We would like to thank **Dr. K S Narayanaswamy**, Director - School of Mechanical Engineering, for providing all the facilities, support and encouragement towards organizing the sessions. We also thank to **Dr. Kiran Kumari Patil**, Director, University Industry Interaction Center, for providing the trainers and for the involvement in taking up and organizing training Program.

The training sessions were successfully Co-ordinated by UIIC team under the leadership and direction of **Dr. Kiran Kumari Patil**, Director, UIIC.

Photographs:



Industry: M/s. Titan Pvt. Limited, Hosur, Tamilnadu.
Date: 21/09/19

Participants: 31 Students, 5th Sem, B sec, School of ECE

Faculties: Prof. Ravi Shankar D
Mr. Nandhan S R

Industrial visit to **M/s. Titan Pvt. Limited, Hosur, Tamilnadu** on 21/09/2019, for 31 students belonging to 3rd year (5th Semester) ECE. These students were accompanied by faculty members **Prof. Ravi Shankar D** and **Mr. Nandhan S R**. The visit commenced at 3pm, where series of formalities were undertaken by the security officials from the entrance gate to the respective venue.

The Titan is one of the major industries in **Watch production**. Students were taken to the following operational plants.

1. Movement plant
2. Assembly plant
3. Electroplating plant
4. Shining plant
5. Production plant

During the visit students were exposed to knowledge regarding the various major components and sub components of the Watch. Novel method of the Electroplating of the watch cases, manual and automatic assembly of subcomponents of watch using the pressing methods and adoption of 5S methods in watch industry etc.

we would like to thank our Honorable Chancellor **Dr. Shyama Raju Sir**, Vice Chancellor **Dr. S. Y. Kulkarni Sir,** Registrar **Dr. M. Dhanamjaya Sir,** Dean, Placement, Training, and Planning **Dr. N. Ramesh Sir** for their continuous support.

We thank **Mr. J. Syam Sundar Sarin**, Senior Manager- Corporate Relations, RU for his all kind of support for organizing the Industrial Visit to VSSC and also thank our Year-wise Coordinator(3rd Year) **Dr. G. Seshikala Madam**, and Industry Visit Coordinator **Prof. Anitha Kumari R.D**, School of ECE for their contribution in arranging for Industrial Visit to VSSC.

We extend our heartfelt thanks to our beloved Director School of ECE **Dr. Rajashekhar C. Biradar Sir** for his continuous encouragement, motivation and support.

REVA
SWACHH REVA
GENERATES
SOLAR POWER
6000 UNITS
PER MONTH
GREEN REVA
REVA
UNIVERSITY

TITAN CO
WAT

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Report on

"My Story-Innovators Life & Cross Road"

In REVA University

Students: B.Tech Students of Schools of ECE, EEE, Mechanical Engineering, C&IT and BBA, MBA Students of Schools of Commerce and Management.
Venue: CNR Rao Hall, Sir C V Raman Block & Library Seminar Hall, REVA University.
Dates: 23-09-2019

My Story-Innovators Life & Cross Road program as the first of many ***My Story-Innovators Life & Cross Road*** of the 2019-20 academic year on 23rd September 2019 where 200 students participated within the sessions.

The inauguration was held at 9:30 AM which was presided by our honorable vice chancellor, Dr. S. Y. Kulkarni. The chief guest for the inauguration was Mr. Girish Batra, Founder of Glocal Projects Pvt. Ltd.

Sessions on ***My Story-Innovators Life & Cross Road*** were conducted by Mr. Sreenivasalu Reddy, Founder of SkyKrafts Aerospace Pvt. Ltd.

We would like to thank our Honourable Chancellor Dr. P. Shyama Raju Sir for providing all facility and supporting to organize such events. We also thank Vice Chancellor Dr. S.Y. Kulkarni**,** Registrar Dr. M. Dhanamjaya, Dean, Placement, Training, and Planning Dr. N. Ramesh**.** We would like to thank directors of all the schools involved, for providing all the facilities, support and encouragement towards organizing the sessions. We also thank to Dr. Kiran Kumari Patil, Director, University Industry Interaction Center, for the involvement in taking up and organizing the Program.

We thank the coordinators and everyone involved for the successful conduction of sessions today. UIIC is proud to be a part of the motivation and inspiration for the youth of the nation to begin their journey in entrepreneurship.

Photographs:

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Report on

"Entrepreneurship Awareness Camp"

In REVA University

Students: B.Tech Students of Schools of ECE, EEE, Mechanical Engineering, C&IT and BBA, MBA Students of Schools of Commerce and Management.

Venue: CNR Rao Hall, Sir C V Raman Block & Library Seminar Hall, REVA University.

Dates: 23-09-2019 to 25-09-2019.

Organized By: UIIC, REVA University.

Innovation & Entrepreneurship Development Cell (IEDC), UIIC, REVA University organized a three day Entrepreneurship Awareness Camp as the first of many EAC's of the 2019-20 academic year from 23rd September 2019 to 25th September 2019 where 200 students participated within the sessions and the industry visit.

Day 1:

The inauguration was held at 9:30 AM which was presided by our honourable vice chancellor, Dr. S. Y. Kulkarni. The chief guest for the inauguration was Mr. Girish Batra, Founder of Glocal Projects Pvt. Ltd.

Over 200 students attended the sessions on Day 1 where Mr. Girish Batra conducted a session on Entrepreneurship, Indian values with entrepreneurship and it's present scenario. Mr. S. K. Prasad, Professor, School of Management Studies, REVA University conducted sessions on "Identification of Business Opportunities & Mechanisms of Product Selection" and "Technology assistance from R&D labs & other institutions on choice of technology".

Day 2:

Sessions on entrepreneurship were conducted on Day 2. Mr. Sreenivasalu Reddy, Founder of SkyKrafts Aerospace Pvt. Ltd. conducted sessions on "How to start a SSI unit" and "Technical and Commercial aspects of a SSI Unit".

Mr. Raja Bhavani Shankar, Regional Head, Deputy General Manager, Karnataka Bank, conducted sessions on "Financial Aspects of SSI unit including salient features of project report" and "Schemes of assistance and support available from Govt. agencies, banks, financial institutions, SFCs"

Day 3:

An industry visit was conducted for the students. The organization chosen for industry visit was "Workbench Projects", located near Halasuru Metro Station, Bangalore. Workbench Projects is a co-working space with multiple domains working under one roof such as IoT, 3D Printing Services, Woodworking and more.

Mr. Kiran Koppada, Management Professor, Consultant and Trainer, conducted sessions on "Creativity & Business - The man behind the venture - The behavioral scientist approach" and "Communication skills for better results in business." which concluded Day 3 of the Entrepreneurship Awareness Camp #1.

We would like to thank our Honourable Chancellor Dr. P. Shyama Raju Sir for providing all facility and supporting to organize such events. We also thank Vice Chancellor Dr. S.Y. Kulkarni**,** Registrar Dr. M. Dhanamjaya, Dean, Placement, Training, and Planning Dr. N. Ramesh**.** We would like to thank directors of all the schools involved, for providing all the facilities, support and encouragement towards organizing the sessions. We also thank to Dr. Kiran Kumari Patil, Director, University Industry Interaction Center, for the involvement in taking up and organizing the Program.

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Photographs:

wareness Camp
SHIP DEVELOPMENT CELL, UIIC
DST-NIMAT PROJECT 2019-20

BANK FINANCE... QUESTIONS ASKED..
Business proposition, how it will perform?
SWOT / past experience/potential/skill...
Marketing aspects/profitability/ social
Securities you offer
+ many more.....

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

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Report on Best Idea Competition – 2019

Event date: 25/09/2019

Best Idea Competition - 2019 for the students of REVA University. A total of 30 Student teams from various schools (C&IT, ECE, MECHANICAL, CIVIL, COMPUTER SCIENCE & APPLICATIONS, MSc (Biotech)) took interest and displayed their thoughts over the span of this event which comprised of 3 rounds. The event was judged by the Faculty members from various Schools.

The Evaluators and the Faculty members commended students for innovative Ideas. They gave inputs to the students that would lead their endeavors to Publications, Copyrights and Patents.

Hon'ble Director, Dr. Sunilkumar S. Manvi Sir interacted with the students, gave the Certificates and the prizes to the triumphant groups and urged them to implement the Ideas for the benefit of the Society. He assured full support to the students from the University.

The winning ideas / students of this competition are:

1st PRIZE:: Automatic Solar powered Lawn Mower / Kiran N, MECHANICAL & Pradeep Shankar V, C&IT

The students proposed an idea of a solar lawn mower that is a fully automated grass cutting robotic vehicle powered by solar energy that also avoids obstacles and is capable of fully automated grass cutting without the need of any human intervention. The system uses 12V batteries to power the vehicle movement motors as well as the grass cutter motor. It uses a solar panel to charge the battery. The grass cutter and Vehicle motors are interfaced to an Arduino Nano that controls the working of all the motors. It is also used to interface an ultrasonic sensor for object detection. The SoC moves the bot in the forward direction in case no obstacle is detected. On obstacle detection; the ultrasonic sensor monitors it and the SoC thus stops the grass cutter motor to avoid any damage to the object/human/animal etc.

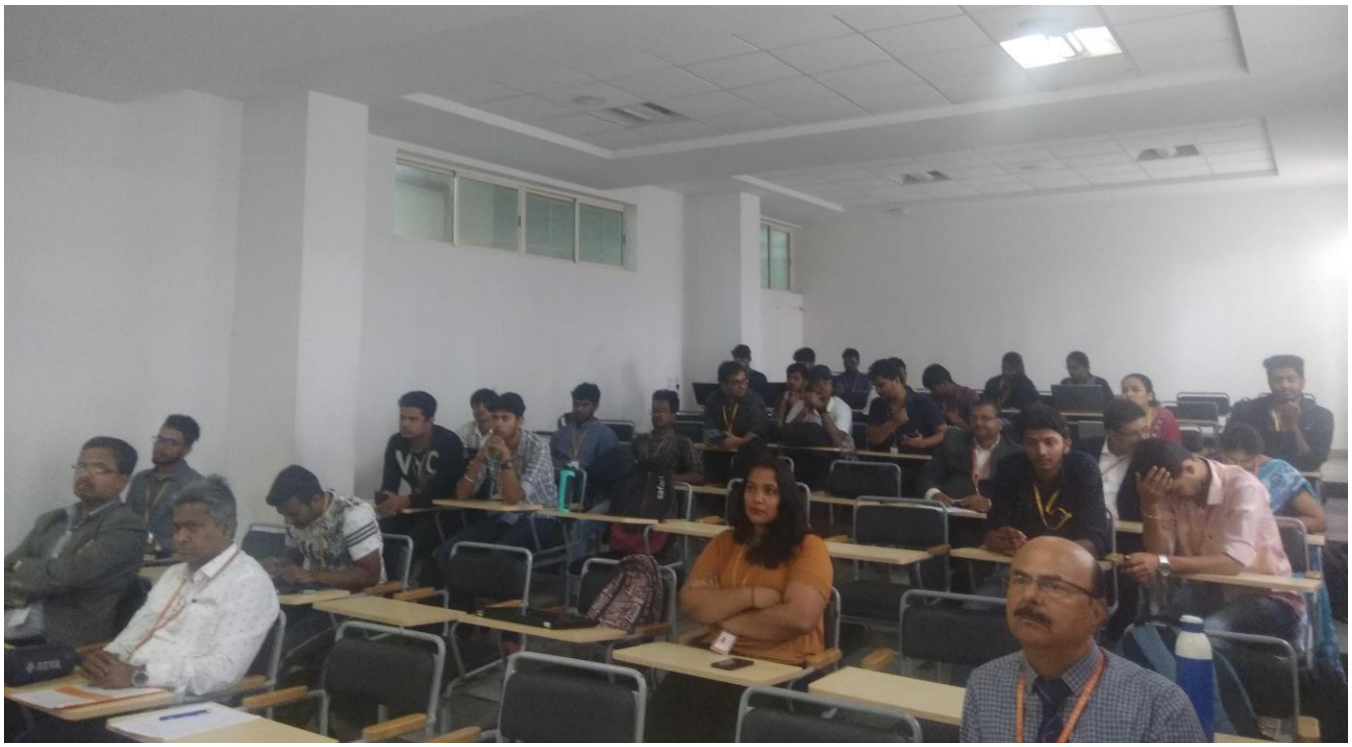
2nd PRIZE:: Vertical Parking themed Elevator design / Ayan Ahmed Hussain / R18CV033 / CIVIL, 3rd Semester

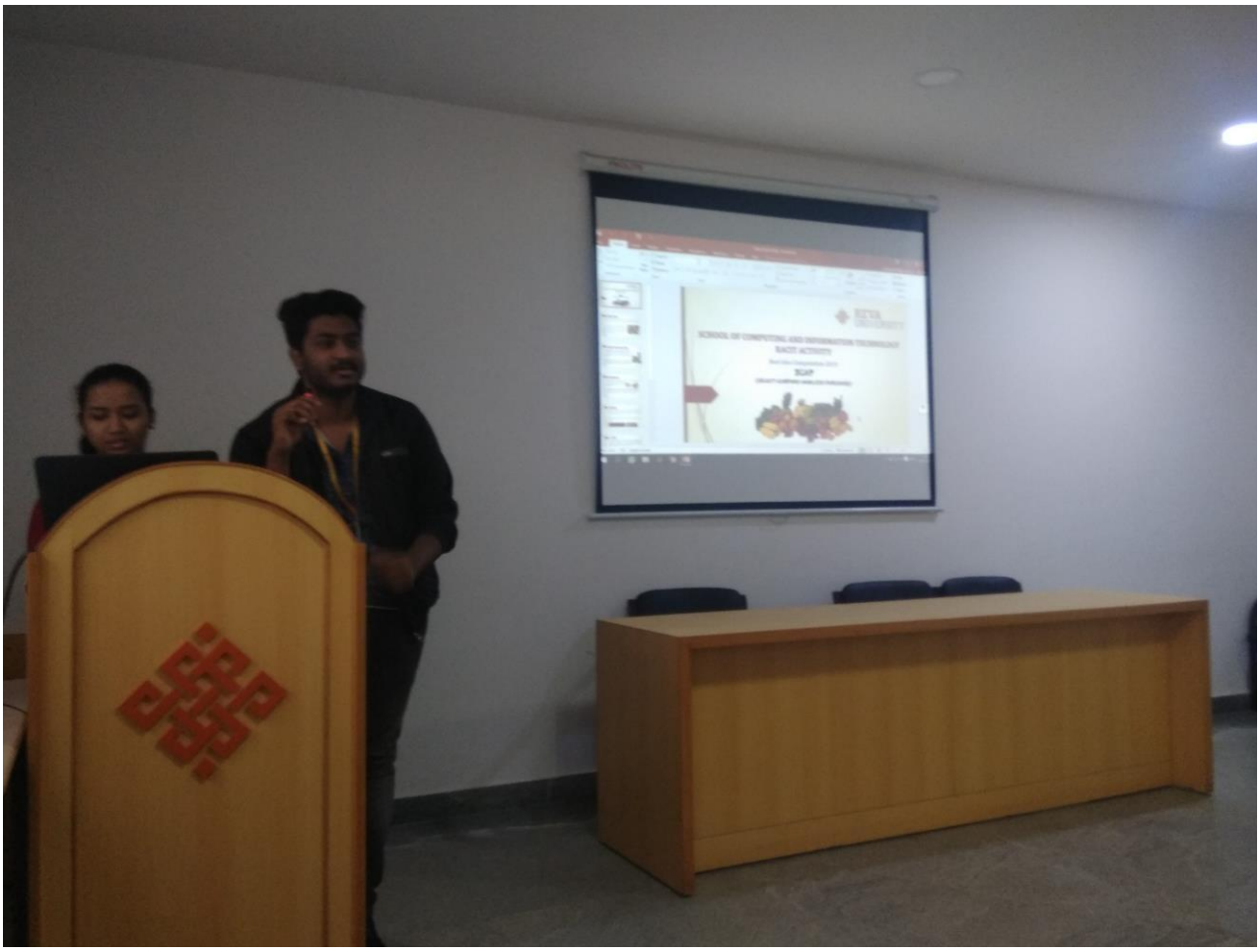
Problem : "It is impossible to overload the lifts. If we overload them, the doors will not close. We have a time frame to use the lifts to make the students attend the assembly session before the class commences. Lots of students tend to miss it, so we have so we have set a time limit to take the lift." Since this is a major problem where more than 15 hours (collectively) are wasted every working day, the **Solution** was proposed using the idea of vertical parking where there is an acute shortage of parking space into two elevator shafts. One goes up, another goes down. The elevator platform stops at every floor having a separate entry for both up and down on the same time. Entry and exit at the topmost and the bottom most floors can be in a single platform.

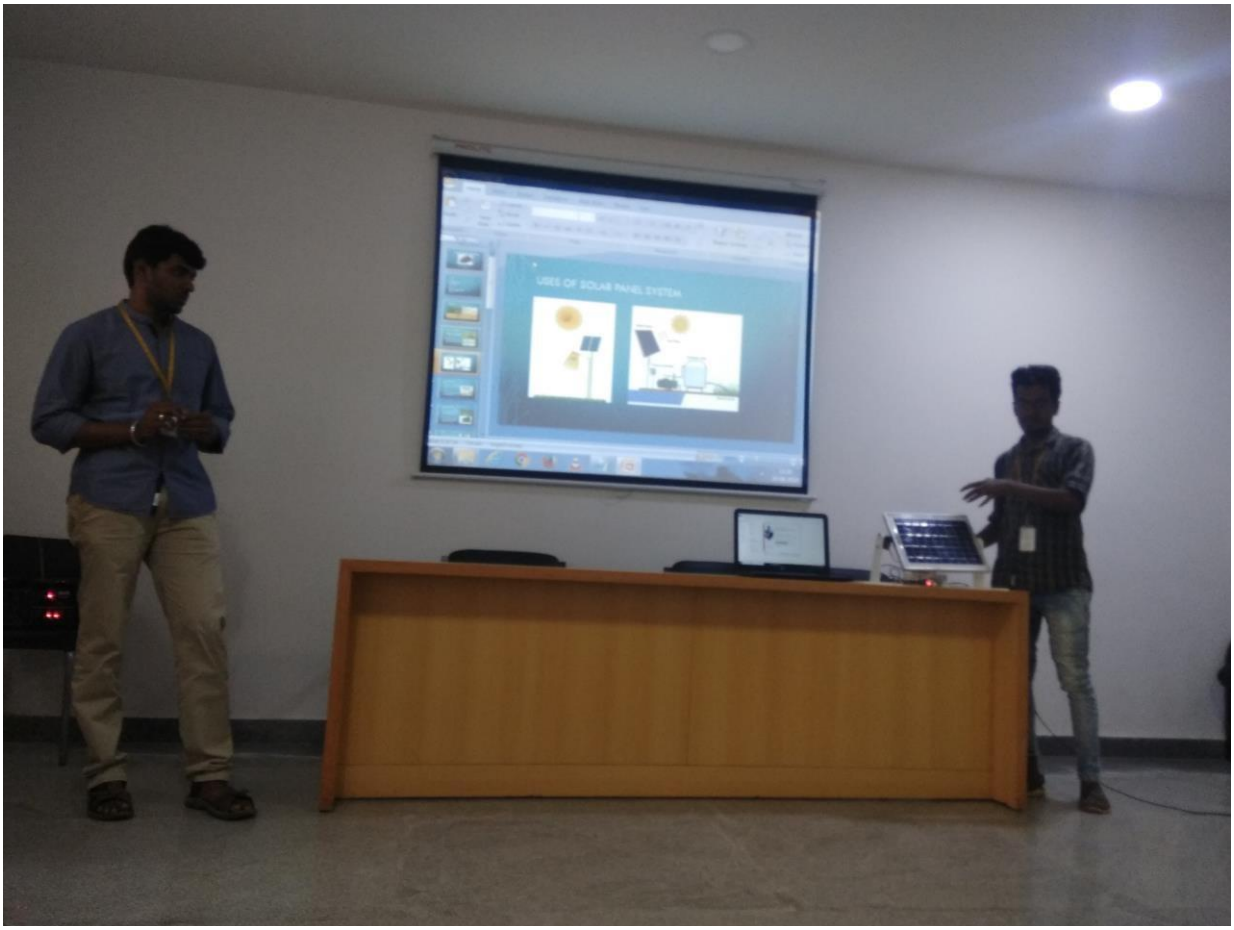
3rd PRIZE:: AIR PURIFIER / Rinjan Chatterjee, Rahul Kumar Jha / C&IT/ 3rd SEMESTER

The air purifier contains a fan which regulates the air flow. The size and speed of the fan determines the capacity of the air purifier which is determined by unit cmb (cubic meter/hour) which means how much air will flow every hour. This fan will be put in the middle of the system in a custom made plastic container. The activated charcoal sheets will be put in front as well at the back of fan which removes bacteria and pungent smell from the air by absorbing them. The DSM 501 sensor is used to detect the air quality. The designed air purifier is way cheaper and economical compared to other conventional air purifiers.

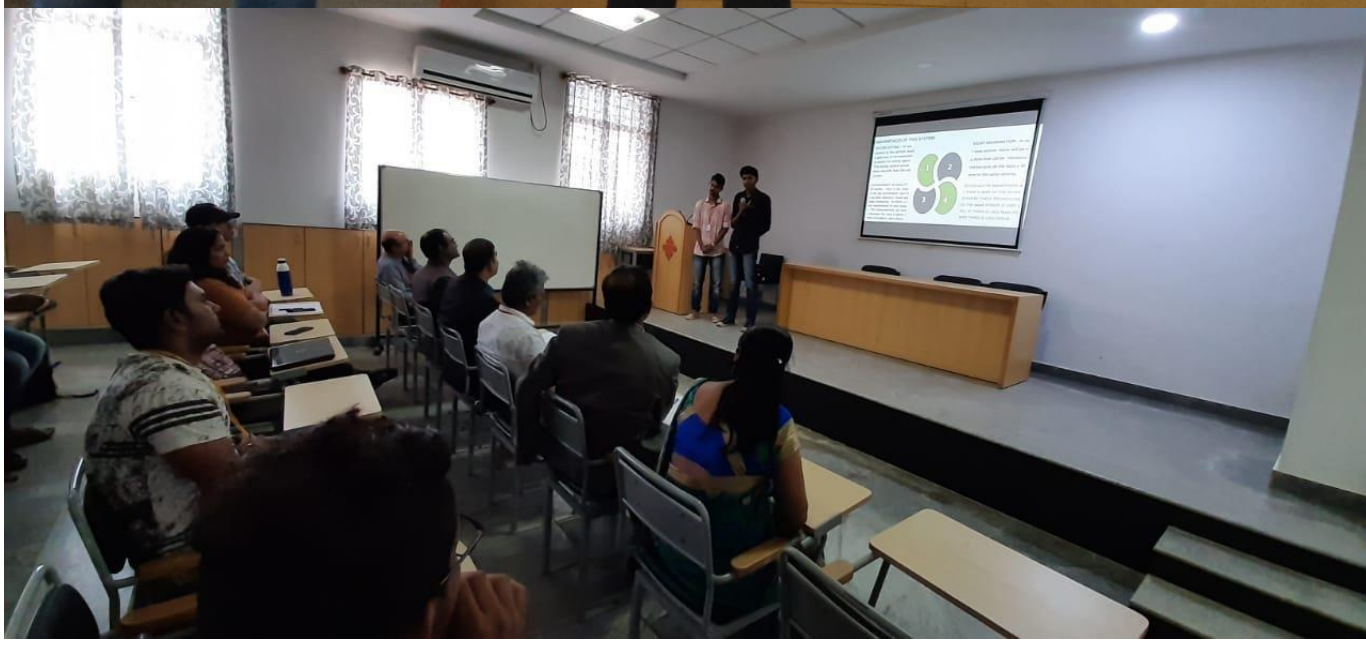
Some photographs of the event are given herewith:







PROLITE
Developed by
ushya Singh and Nidhi Singh
uided by: Dr. Hemavathi)



PROGRAMS OFFERED
B.Tech in Computer Science and Engineering
M.Tech in Computer Science and Engineering (FT & PT)
M.Tech in Computer Network and Engineering
M.Tech in Data Engineering and Cloud Computing
M.Tech in Advanced Information Technology (FT)
Ph.D. in Computer Science and Engineering

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We would like to Thank our Director, Dr. Sunilkumar S. Manvi Sir for his valuable time and guidance regarding conducting such events. We would also like to thank our Hon'ble chancellor: Dr. P. Shyama Raju Sir , VC: Dr. S. Y. Kulkarni Sir, Registrar: Dr. M. Dhanamjaya Sir; Dean Training, Placement and Planning: Dr. N. Ramesh Sir, and Dean R&I: Dr. Divakar Sir.

We thank the Judges and the Faculty members of all the Schools for encouraging students to participate in this event and making it successful.

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Report on

"One Day Workshop on Entrepreneurship and Innovation as Career Opportunity"

In REVA University

Students: B.Tech Students of Computer Science Engineering, School of C & IT.

Venue: Justice K S Hegde Hall, Swami Vivekananda Block, REVA University.

Date: 26-09-2019.

Faculty Coordinators: Prof. Basavaraju, Ms. Keerthana, Mr. Adithya P.

One day workshop on Entrepreneurship and Innovation as Career Opportunity on 26th of September to the students of B.Tech Students of Computer Science Engineering, School of Computing and Information Technology. 40 students attended the session for the same.

The workshop was conducted by resource person, Mr. Rathan M, Technical Lead, UIIC, REVA University.

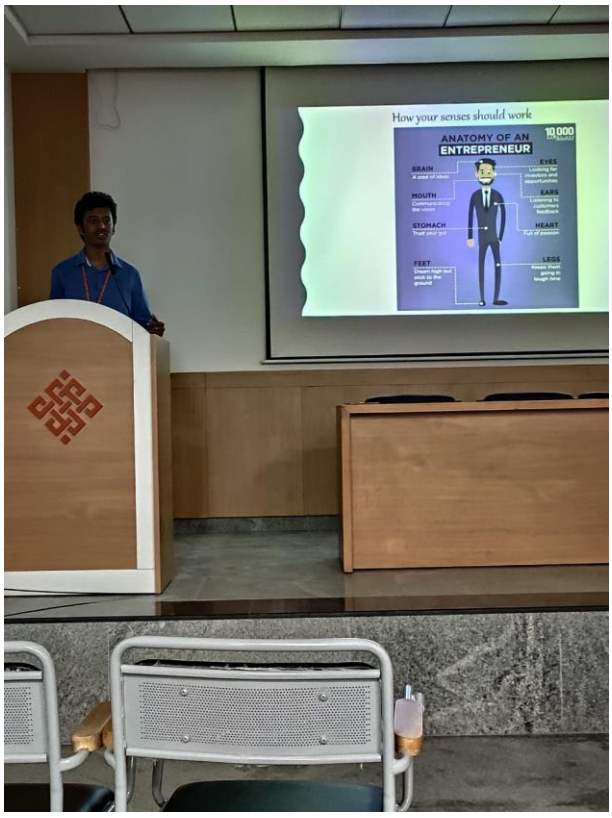
We would like to thank our Honourable Chancellor Dr. P. Shyama Raju Sir for providing all facility and supporting to organize such events. We also thank Vice Chancellor Dr. S.Y. Kulkarni**,** Registrar Dr. M. Dhanamjaya, Dean, Placement, Training, and Planning Dr. N. Ramesh**.** We would like to thank Dr. S S Manvi, Director - School of Computing and Information Technology, for providing all the facilities, support and encouragement towards organizing the sessions. We also thank to Dr. Kiran Kumari Patil, Director, University Industry Interaction Center, for the involvement in taking up and organizing the Program.

We thank the coordinators and all the staff members involved for the successful conduction of the session.

Photographs:

Students attending the sessions during the Workshop

Mr. Rathan M conducting an introduction session



REVA UNIVERSITY
Bengaluru, India
Established as per the section 2(f) of the UGC Act, 1956,
Approved by AICTE, New Delhi

Report on

"Entrepreneurship Awareness Camp"

In REVA University

Students: B.Tech Students, School of Computing and Information Technology

Venue: CNR Rao Hall, Sir C V Raman Block & Aryabhata Seminar Hall, REVA University.

Dates: 14-10-2019 to 16-10-2019.

Organized By: UIIC, REVA University.

Innovation & Entrepreneurship Development Cell (IEDC), UIIC, in association with School of C & IT, REVA University organized the second three day Entrepreneurship Awareness Camp of the 2019-20 academic year from 14th October 2019 to 16th October 2019 where 130 students participated within the sessions and the industry visit.

Day 1:

The inauguration was held at 9:30 AM which was presided by Dr. Kirankumari Patil, Director, UIIC department, Dr.Sunil Kumar S Manvi Director of C & IT department. The chief guest for the inauguration was Mr. Ravi Vyas, Co-Founder and CEO of NextStepHQ

Over 130 students attended the sessions on Day 1 where Mr. Ravi Vyas conducted a session on Identification of business opportunities and mechanisms of product selection. Mr. A R Ramasubba Sharma, Trainer conducted sessions on "Why Entrepreneurship and Historical background Indian values vis a vis Entrepreneurship and the present scenario" and Mr.Sambit Patra conducted session on "Technology assistance from R&D labs & other institutions on choice of technology".

Day 2:

Sessions on entrepreneurship were conducted on Day 2. Mr. Ajay Karthik, conducted sessions on "How to start a SSI unit" and "Technical and Commercial aspects of a SSI Unit".

Mr.Venu Gopal, Area General Manager, Karnataka Bank, conducted sessions on "Financial Aspects of SSI unit including salient features of project report" and "Schemes of assistance and support available from Govt. agencies, banks, financial institutions, SFCs"

Day 3:

An industry visit was conducted for the students. The organization chosen for industry visit was "M/S.Advanced Electronic Systems", located in Peenya Industrial Area, Bangalore. The organization is a manufacturer as well as Service providers and Suppliers of wide range of Solar Power Systems. The students also visited C37 HealthCare Private Limited, Located in Peenya Industrial Area, Bangalore. C37 Healthcare is a reputed company in the Medical Diagnostic Equipment industry promoted by highly skilled professionals, who take care in Diagnostic Imaging Equipment such as CT, MRI, Ultrasound, Mammography and BMD.

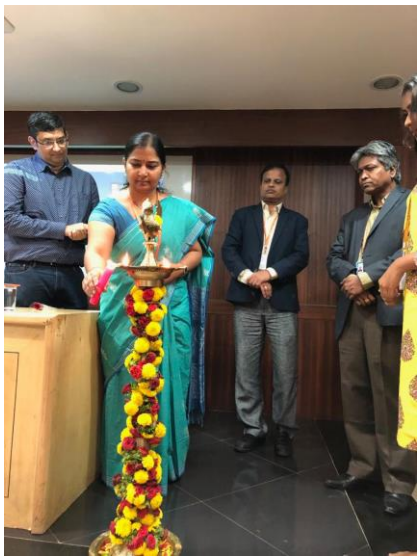
Mr. Kiran Koppada, Management Professor, Consultant and Trainer, conducted sessions on "Creativity & Business - The man behind the venture - The behavioral scientist approach" and "Communication skills for better results in business." which concluded Day 3 of the Entrepreneurship Awareness Camp #2.

We would like to thank our Honorable Chancellor Dr. P. Shyama Raju Sir for providing all facility and supporting to organize such events. We also thank Vice Chancellor Dr. S.Y. Kulkarni**,** Registrar Dr. M. Dhanamjaya, Dean, Placement, Training, and Planning Dr. N. Ramesh**.** We would like to thank Director of School of Computing and Information Technology, Dr. Sunilkumar S Manvi for providing all the facilities, support and encouragement towards organizing the sessions. We also thank to Director, University Industry Interaction Center, Dr. Kirankumari Patil for the involvement in taking up and organizing the Program.

We thank the coordinators and everyone involved for the successful conduction of sessions today. UIIC is proud to be a part of the motivation and inspiration for the youth of the nation to begin their journey in entrepreneurship.

Photographs:

Lighting of the Lamp during the Inauguration.



Mr. A R Ramasubba Sharma, Trainer conducting the session.

Industry Visit to C37 HealthCare Pvt. Ltd.

Mr. Ajay Karthik conducting the session.

Students in front of C37 HealthCare Pvt. Ltd.

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INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

Report on

"Best Idea and Business Plan Competition"

Students: B.Tech Students, School of Electronics and Communication Engineering.

Venue: Robotics Lab, Sir C V Raman Block, REVA University.

Date: 18-10-2019.

Organized By: **IIC REVA University** Sattva - EDC, School of Electronics and Communication Engineering

Faculty Coordinators: Prof. Nirmalkumar S. Benni, Dr. Ravi Kumar M G

IIC REVA University ,Sattva- Entrepreneurship Development Club, School of Electronics and Communication Engineering, REVA University organized and conducted a Best Idea and Business Plan Competition on 18th of October to the students of B.Tech, School of Electronics and Communication Engineering. 6 teams attended the competition.

The competition was judged by Dr. Veena K.N, Professor, School of ECE and Mr. Suraj. N. Mr. Gagan R Reddy from 7th Semester, School of ECE secured the first place in both competitions while Mr. Mohan Kumar from 7th Semester, School of ECE secured the second place in Best Idea Competition.

We would like to thank our Honorable Chancellor Dr. P. Shyama Raju Sir for providing all facility and supporting to organize such events. We also thank Vice Chancellor Dr. S.Y. Kulkarni**,** Registrar Dr. M. Dhanamjaya, Dean, Placement, Training, and Planning Dr. N. Ramesh**.** We would like to thank Dr. R C Biradar, Director - School of Electronics and Communication Engineering, for providing all the facilities, support and encouragement towards organizing the sessions..

We thank all the teaching and non teaching staff members involved for the successful conduction of the competition.

Photographs:

SCHOOL OF COMPUTING AND INFORMATION TECHNOLOGY

Report on "HACKFEST 2019"

48 Hours National Level Hackathon

Theme #1: IoT and Mobile Apps for Innovative Solutions to Global Warming

Theme #2: Mobile Apps / Web Apps for REVA University

Date: 2nd to 4th November 2019

The School of Computing and Information Technology with an aim of encouraging and providing a platform for students to show case their talents and innovative ideas in developing Projects through Coding and using Latest Technologies, took an initiative to conduct Hackathon from the year 2016 onwards, with inspiration from Google's #HashCode.

The School of Computing and Information Technology organized its fifth edition of Hackathon "HACKFEST 2019", a 48 Hours National Level Hackathon with the themes: Theme #1: *IoT and Mobile Apps for Innovative Solutions to Global Warming* and Theme #2: *Mobile Apps / Web Apps for REVA University* on 2nd to 4th November 2019.

19 Teams comprising of 75 students were registered for 48 hours Hackathon.

Student Teams participated were from:

- REVA University, Bengaluru (**14 Teams**)
- East Point College of Engineering and Technology, Bengaluru (**1 Team**)
- Vidya Vikas Institute of Engineering and Technology, Mysuru (**2 Teams**)
- BGS Institute of Technology, Mandya (**1 Team**)
- SCMS School of Engineering, Ernakulam, Kerala (**1 Team**)

The event was inaugurated by the Chief Guest, Mr. Prashanth G. Bilagi, Sr. Principle Architect – Verizon, Bengaluru, accompanied with beloved Director – School of Computing and Information Technology, Dr. Sunilkumar S. Manvi, HACKFEST 2019 Organizing Committee, Faculty members and Participants.

After the inaugural function, participants in teams started with coding based on the theme selected by them on 2nd November, 2019 (Day 1) and it was ended around 12:30 PM on 4th November, 2019 (Day 3). There were total of Four Evaluation Stages.

Based on the standard Hackathon Judging criteria, First Evaluation was done by Internal Judges from Faculty Members – School of C & IT on Day 1. Second and Third Evaluation were done on Day 2.

Also, there were Mentoring sessions from REVA Alumni students: Mr. Akash James, Mr. Sai Somanath, Mr. Ujwal P. and Mr. Mohit Kumar on Day 1 and Day 2.

The Fourth / Final Evaluation was done by four External Judges from 10:00 AM to 12:30 PM on Day 3.

Details of Final Evaluation Judges:

1. Mr. Abhas Abhinav
   Founder
   DeepRoot GNU/Linux, Bengaluru.

2. Mr. Kshitij Karthick
   Python Backend Engineer
   Zalando SE, Berlin, Germany.

3. Mr. Akash James
   IoT and ML Engineer
   Integration Wizard Solutions, Bengaluru.

4. Mr. Sai Somanath
   REVA Alumni
   PG Student – Central University of Hyderabad

Also, Internship drive was conducted from the company: Integration Wizard Solutions on Day 2.

Details of Delegate from Integration Wizard Solutions:

Mr. Akash James
IoT and ML Engineer
Integration Wizard Solutions, Bengaluru.

HACKFEST 2019 concluded with valedictory function in presence of our beloved Director, Dr. Sunilkumar S. Manvi, accompanied with Final Evaluation Judges and HACKFEST 2019 Organizing Committee, Faculty members and Participants.

List of Winners of HACKFEST 2019:

Under Theme #1: *IoT and Mobile Apps for Innovative Solutions to Global Warming*

<table>
<tr><th>Name of Group Members</th><th>College/University</th><th>Problem Statement Selected</th><th>Title of the Project</th><th>Position secured</th></tr>
<tr><td>Tejas K L</td><td rowspan="4">REVA University, Bengaluru.</td><td rowspan="4">To create sustainable solutions to scarcity of water, wastewater, storage of water</td><td rowspan="4">State-of-the-art Water-Flow Management System</td><td rowspan="4">FIRST</td></tr>
<tr><td>V Vijay Krishnan</td></tr>
<tr><td>Vishrutha K S</td></tr>
<tr><td>Utkarsh Yadav</td></tr>
<tr><td colspan="5">First Prize: Rs. 20,000/- worth Gift-Voucher from Amazon</td></tr>
</table>

Shubham Baid Jalay Rupera Gokul Dev	REVA University, Bengaluru.	Solution for Ocean Temperature Rise and Marine Animal Death	Detection of whales on the ocean surface through drones to predict the algal bloom present in the oceans using the whale snot samples	SECOND
Second Prize: Rs. 10,000/- worth Gift-Voucher from Amazon				
Shivendra Saurav Sahil Chachra Santosh D Kolur Resham Sundar Suhani Jain	REVA University, Bengaluru.	How do we make waste management more sustainable?	Smart Waste Management System using Smart Dust Bins	THIRD
Third Prize: Rs. 5,000/- worth Gift-Voucher from Amazon				

Under Theme #2: *Mobile Apps / Web Apps for REVA University*

Name of Group Members	College/University	Problem Statement Selected	Title of the Project	Position secured
Anurag Sharan Aman Srivastava Ankit Kumar Jaiswal Adarsh A. Nair Aniketh V. Hotagi	REVA University, Bengaluru.	App for Posting Events along with registrations	Event Management App for REVA University	FIRST
First Prize: Rs. 10,000/- worth Gift-Voucher from Amazon				
Kanishk Vijaywargiya Shreyada Kolhapur Manjunath S Kemali	REVA University, Bengaluru.	App for Budget Approvals	Budget Approval System	SECOND
Second Prize: Rs. 5,000/- worth Gift-Voucher from Amazon				

HACKFEST 2019 Organizing Committee:

Prof. G C Sathish

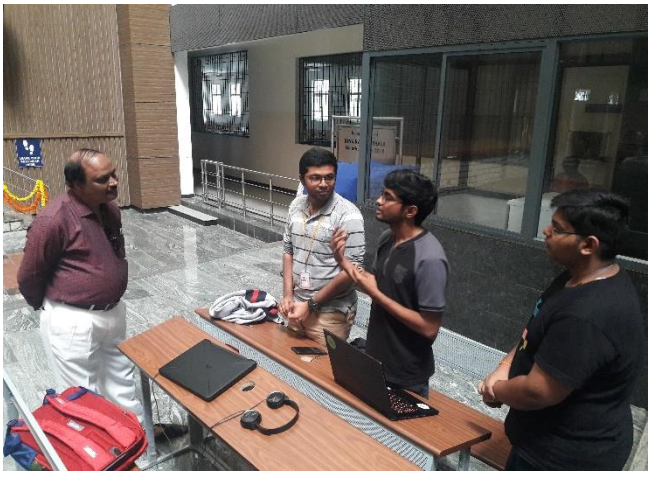
Prof. Kiran M

Prof. Lithin K

Prof. Naveen Chandra Gowda

Some snapshots of the **HACKFEST 2019 - A 48 Hours National Level Hackathon** are provided below:

Chief Guest: Mr. Prashanth G. Bilagi



Mr. Kshitij Karthick & Mr. Sai Somanath

Mr. Abhas Abhinav & Mr. Akash James

Theme #1: 1st Prize - REVA University

Theme #1: 2nd Prize - REVA University

Theme #1: 3rd Prize - REVA University

Theme #2: 1st Prize - REVA University

Theme #2: 2nd Prize - REVA University

SCIENCE AMENTURE CLUB

Department of Chemistry - School of Applied Sciences

Faculty Coordinator: Dr. Mallappa M

REPORT

"Report on Industrial visit to EMMVEE Photovoltaic Power Private Limited"

Date: 06-11-2019

Time: 2.00 PM to 4.00 PM

Venue: EMMVEE Photovoltaic Power Pvt Ltd, Bettahalasuru Post, Bengaluru, Karnataka.

Topic: "Report on Industrial visit to Photovoltaic Power Private Limited"

It's our pleasure to inform you all that the Department of Chemistry has organized an industrial visit to "**EMMVEE Photovoltaic Power Private Limited, Bettahalasuru, Post, Bengaluru" on 6th November 2019**, for final year M.Sc. Chemistry students. These students were accompanied by faculty members Dr. Mallappa M, Dr. Lakshmi B, Dr. Shivanna and Dr. Satish Reddy.

EMMVEE specializes in developing photovoltaic modules and systems for On-grid and Off-grid applications. EMMVEE produces high quality photovoltaic modules using the state-of-the-art machinery in its manufacturing facilities in Bengaluru. EMMVEE produces the most reliable solar water heating systems with the prominent brand name "Solarizer"

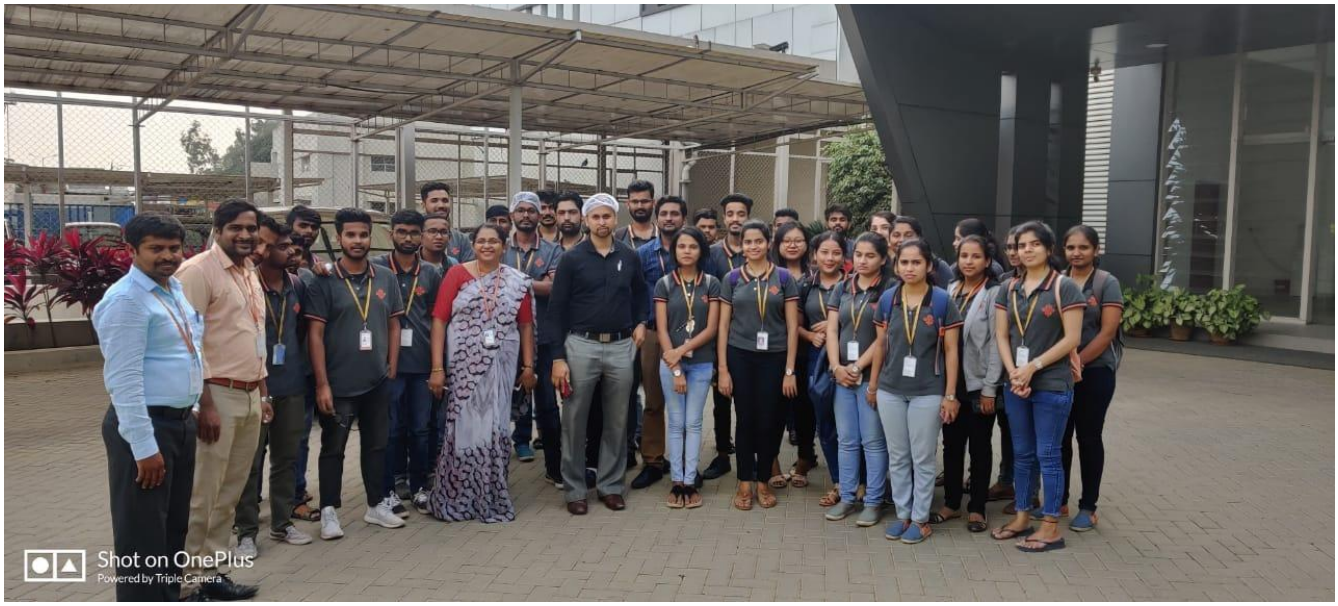
Mr. Nagbhushan Shetty, Senior Manager and Mr. Kiran, in-charge, EMMVEE Photovoltaic Pvt Ltd, Bengaluru welcomed the gathering and guided the students about the company and demonstrated the design and manufacturing of photovoltaic modules, photovoltaic system, etc. The industrial visit to **EMMVEE Pvt Ltd** gave an opportunity for the students to acquaint with various design, manufacturing and quality techniques employed in industries.

We would like to thank our beloved Chancellor **Dr. P. Shyama Raju** for providing all facility and support to conduct such events. We also thank Vice Chancellor **Dr. S.Y. Kulkarni,** Registrar **Dr. M. Dhanamjaya**, Dean, Placement, Training, and Planning **Dr. N. Ramesh,** our beloved Director,

School of Applied Science **Dr. Beena G** for their constant support in organizing such events. We also thank Col. Nataraj K and Laxmanan for their transportation support.

We also thank all the faculties and students of department of Chemistry for their support in smooth conduction of this event.

Photographs


Shot on OnePlus
Powered by Triple Camera

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Powered by Triple Camera

Report on

"Special Talk on Product Development Phases"

In REVA University

Students: B.Tech Students, School of Mechanical Engineering

Venue: CNR Rao Hall and Aryabhatta Seminar hall at Sir C V Raman Block, REVA University

Dates: 11/11/2019

Organized By: IEDC, IIC, UIIC REVA University

Number of Students: 87

Innovation & Entrepreneurship Development Cell (IEDC) & IIC, UIIC, REVA University organized the Special talk on Product Development phases on 11th November 2019 where 87 students participated within the sessions.

The inauguration was held at 9:30 AM which was presided by our honorable vice chancellor, Dr. S. Y. Kulkarni. The chief guest for the inauguration was Mr. Kashinath M Patnasetty, Head-VAS & Application Support Group at Ace Designers Ltd. 87 students attended the sessions where Mr. Kashinath M Patnasetty conducted a session on "Product Development Phases".

We would like to thank our Honorable Chancellor Dr. P. Shyama Raju Sir for providing all facility and supporting to organize such events. We also thank Vice Chancellor Dr. S.Y. Kulkarni, Registrar Dr. M. Dhanamjaya, Dean, Placement, Training, and Planning Dr. N. Ramesh. We would like to thank the director of school of Mechanical Engineering, Dr. K S Narayanaswamy for providing all the facilities, support and encouragement towards organizing the sessions. We also thank to Dr. Kiran Kumari Patil, Director, University Industry Interaction Center, for the involvement in taking up and organizing the Program.

We thank the coordinators and everyone involved for the successful conduction of sessions today.

Photographs:

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Report on

Workshop on product Design

In REVA University

Students: B.Tech Students, School of C&IT, School of Mechanical Engineering

Venue: Kalpana Chawla Seminar Hall C V Raman Block, REVA University

Dates: 12/11/2019

Organized By: IIC, IEDC & UIIC, REVA University

Innovation & Entrepreneurship Development Cell (IEDC), IIC & UIIC, REVA University organized the Workshop on product design on 12th November 2019.

The inauguration was held at 9:30 AM which was presided by our honorable vice chancellor, Dr. S. Y. Kulkarni. The chief guest for the inauguration was Mr. Ajay Karthik founder of CBS chemicals.

The students were provided with a one day workshop on product design to help improve their innovative skills. The one day workshop also focused on improving the required skills of the students in deciding what factors to consider before deciding a design of product and also, how to make the product efficient using a streamlined design.

We would like to thank our Honorable Chancellor Dr. P. Shyama Raju Sir for providing all facility and supporting to organize such events. We also thank Vice Chancellor Dr. S.Y. Kulkarni**,** Registrar Dr. M. Dhanamjaya, Dean, Placement, Training, and Planning Dr. N. Ramesh**.** We also thank to Dr. Kiran Kumari Patil, Director, University Industry Interaction Center, for the involvement in taking up and organizing the Program.

We thank the coordinators and everyone involved for the successful conduction of sessions today.

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Report on

"Entrepreneurship Awareness Camp #3"

In REVA University

Students: B.Tech Students, School of Mechanical Engineering

Venue: CNR Rao Hall and Aryabhatta Seminar hall at Sir C V Raman Block, REVA University

Dates: 11/11/2019 to 13/11/2019

Organized By: UIIC, REVA University

Innovation & Entrepreneurship Development Cell (IEDC), UIIC, REVA University organized the third Entrepreneurship Awareness Camp of the 2019-20 academic year from 11th November 2019 to 13th November 2019 where 87 students participated within the sessions and the industry visit.

Day 1:

The inauguration was held at 9:30 AM which was presided by our honorable vice chancellor, Dr. S. Y. Kulkarni. The chief guest for the inauguration was Mr. Kashinath M Patnasetty, Head-VAS & Application Support Group at Ace Designers Ltd. 87 students attended the sessions on Day 1 where Mr. Kashinath M Patnasetty conducted a session on "Identification of Business opportunities & mechanism of product selection" along with a session on "Technology- assistance from R&D labs & other institutions on choice of technology". Mr Ajay Karthik founder of CBS Chemicals conducted the noon sessions on "How to start a SSI unit" and "Technical and Commercial aspects of a SSI Unit".

Day 2:

Sessions on entrepreneurship were conducted on Day 2. Manjunath V.S, Professor, School of Management Studies, REVA University conducted a session on "Why Entrepreneur (General

Concept) and “Historical Background- Indian values vis-a- vis Entrepreneurship & the present scenario.”

Mr. Anil Kumar, Consultant, Trainer, Mentor of several start-ups & founder of Indian Nexus Enterprises, conducted sessions on "Financial Aspects of SSI unit including salient features of project report" and "Schemes of assistance and support available from Govt. agencies, banks, financial institutions, SFCs"

Day 3:

An industry visit was conducted for the students in the morning session of day 3. The organization chosen for industry visit were “ACE Designs Limited” and “Synergy Punching Private Limited”, both located in Peenya Industrial Area, Bangalore.

Mr. Debashis Prusty, Co-Founder of Blooms Mobility Technology conducted sessions on "Creativity & Business - The man behind the venture - The behavioral scientist approach" and "Communication skills for better results in business." which concluded Day 3 of the Entrepreneurship Awareness Camp #3.

We would like to thank our Honorable Chancellor Dr. P. Shyama Raju Sir for providing all facility and supporting to organize such events. We also thank Vice Chancellor Dr. S.Y. Kulkarni**,** Registrar Dr. M. Dhanamjaya, Dean, Placement, Training, and Planning Dr. N. Ramesh**.** We would like to thank the director of school of Mechanical Engineering, Dr. K S Narayanaswamy for providing all the facilities, support and encouragement towards organizing the sessions. We also thank to Dr. Kiran Kumari Patil, Director, University Industry Interaction Center, for the involvement in taking up and organizing the Program.

We thank the coordinators and everyone involved for the successful conduction of sessions today. UIIC is proud to be a part of the motivation and inspiration for the youth of the nation to begin their journey in entrepreneurship.

Photographs:

Lighting the Lamp with Dr. K.S. Narayanaswamy, Dr. Kirankumari Patil, Mr. Kashinath M and Dr. C D Hampali

Session by Mr. Anil Kumar

Session by Prof. Manjunath V S

Session by Mr. Kashinath M

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INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

Report on

Industry Visit to ACE Designs Limited & Synergy Punching Private Limited

Students: B.Tech Students, School of Mechanical Engineering

Venue: ACE Designs Limited" and "Synergy Punching Private Limited

Dates: 13/11/2019

Organized By: IIC, UIIC, REVA University & School of Mechanical Engineering

Number of Students: 120

An industry visit was conducted for the students of school of Mechanical Engineering on 13/11/2019. The organization chosen for industry visit were "ACE Designs Limited" and "Synergy Punching Private Limited", both located in Peenya Industrial Area, Bangalore.

We would like to thank our Honorable Chancellor Dr. P. Shyama Raju Sir for providing all facility and supporting to organize such events. We also thank Vice Chancellor Dr. S.Y. Kulkarni**,** Registrar Dr. M. Dhanamjaya, Dean, Placement, Training, and Planning Dr. N. Ramesh**.** We would like to thank the director of school of Mechanical Engineering, Dr. K S Narayanaswamy for providing all the facilities, support and encouragement towards organizing the sessions. We also thank to Dr. Kiran Kumari Patil, Director, University Industry Interaction Center, for the involvement in taking up and organizing the Program.

We thank the coordinators and everyone involved for the successful conduction of sessions today.

Photographs:

Note: Inside Photography is not allowed due to this we have added only one pho

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School of Architecture, REVA University

Report on
REVA Idea Day students Participation by School of Architecture, REVA University.

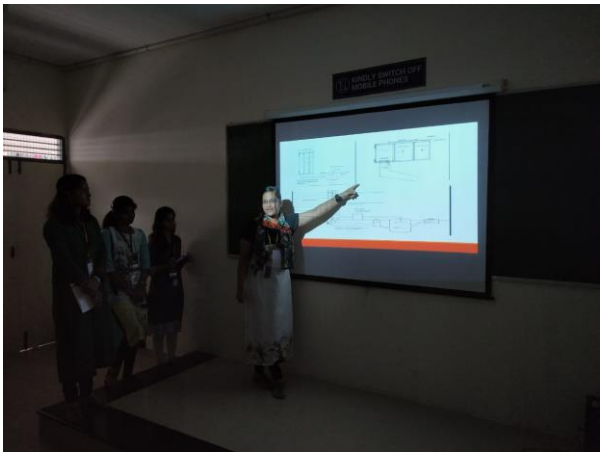
Faculty Mentor:	Asst. Prof. Nazish Abid and Asst. Prof. Nagaraja S.
Juror:	Professor Vidya Srikant & Dr. Upendra
Date:	16th November, 2019
Venue:	201, C.V. Raman Block

On the **16th of November 2019**, in celebration of **World Idea Day, REVA University** hosted a conclave for students of all ages across Bangalore. The conclave put forth an ingenious platform for students to showcase their innovative thoughts and ideas at a conceptual stage. Few groups of students representing the School of Architecture took it further a step by displaying prototypes and working models. The presentations were demonstrated with the intent of inspiring and encouraging the growth of a cohesive entrepreneurial ecosystem in new generations.

5 entries were presented by **5 teams from the School of Architecture, REVA University**. Each entry focused on technology & infrastructure, backed by ideas of sustainable development. The details of the group entries are as follows:

1. **Project: Sensor based SMART Dustbin**. *(Team: Aishwarya, Abhirami, Dhrishya and Uttara from 1st semester).*
2. **Project: FoldaBAM- Temporary structure module** *(Team: Aishwarya, Ginelle, Bhargavi and Jasim from 7th & 9th Semester).*
3. **Project: Acromed Ark** *(Team: Aishwarya, Ginelle, Bhargavi and Jaisim from 7th & 9th Semester).*
4. **Project: Smart Modular Transformable Classroom Technology** *(Team: Samskruthi, Prerana M, Prerana V and Sachin P 5th Semester).*
5. **Project: SMORF: System Modular Object Reformation**. *(Team:, Moonish, Yashwanth, Dhruv Mehta and Prerana V from 9th, 7th & 5th Semester).*

Of the above mentioned entries, **Project 2 (FoldaBAM)** and **Project 4 (Smart Modular Classroom) were amongst the top 10 projects shortlisted for final consideration from their respective panels**. All the participants received certificates of participation for their dedicated effort and endeavour.



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MI DUAL CAMERA

TRANSITION 1
TRANSITION 2
TRANSITION 3
TRANSITION 4

REDMI NOTE 5 PRO
MI DUAL CAMERA

REDMI NOTE 5 PRO
MI DUAL CAMERA

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(GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

Report on

BizEE BEE Project Demonstration -2019

Date: 18th November 2019

Venue: Amphitheater, C V Raman Block, REVA University

Organized By: IIC REVA University & School of EEE REVA University

The IIC REVA University & School of Electrical and Electronics Engineering, REVA University organized the BizEE BEE Project Demonstration - 2019 on 18th November 2019. The Program was inaugurated by Dr P. Shyama Raju, Honorable Chancellor, REVA University and the occasion was graced by Dr S.Y Kulkarni, Vice-Chancellor, REVA University.

Dr Rajashekar P Mandi, Director, School of EEE and Dr B.P Divakar, Dean Research and Innovation REVA University, joined the function and addressed the gathering. The external judges for the program were Shri. R S Hiremath, CEO, Flexitron, Bangalore, Dr. Shivakumar Aradhya, Former Director, CPRI Bangalore & Professor, Acharya Institute of Technology, Bangalore. The BizEE BEE Project Demonstration focused on creating a platform for the 1st, 2nd and 3rd-year students from School of EEE to demonstrate their project works and to interact with experts from the respective domains. Around 170 projects were demonstrated by the students and the external and internal judges interacted and evaluated the projects.

The program was organized by the School of EEE to imbibe creative thinking, innovation and project-based learning among the student community. The EEE students explored new ideas in the field of Electrical and Electronics Engineering as a part of the project work and their performance was appreciated by the judges.

We would like to thank our Honorable Chancellor Dr. P. Shyama Raju for providing all facility and supporting to organize such events. We also thank Vice Chancellor Dr. S.Y. Kulkarni, Registrar Dr. M. Dhanamjaya and Dr. B.P. Divakar, Dean (R&I) for their kind support & encouragement in organizing this event. We would also like to thank Dr. Rajashekar P Mandi,

Director - School of Electrical and Electronics Engineering, for providing all the facilities, support and encouragement towards organizing the event.

We thank the student coordinators and all the staff members involved for the successful conduction of the programme.

Photographs:

DO NOT TOUCH

REVA

Report on
Workshop on Innovation and Entrepreneurship
School of Architecture

Agenda:	**Entrepreneurship**
Trainer:	**Ar. Sindhu Jagannath**, Entrepreneur and Teacher
Organizer:	**School of Architecture** in Collaboration with **University Industry Integration Centre**, REVA University
Coordinator:	**Keerthana K**, Program Executive , UIIC
	Asst. prof. Anup Kumar Prasad, SOA, REVA University
Venue:	**A.V. Room 325**, Architecture Block
Dates:	**22nd November 2019**
Faculties:	**Asst. Prof. Ujjal Halder**and **Asst. prof. Anup Kumar Prasad**
Students:	**36 Students**, 7th Semester, School of Architecture

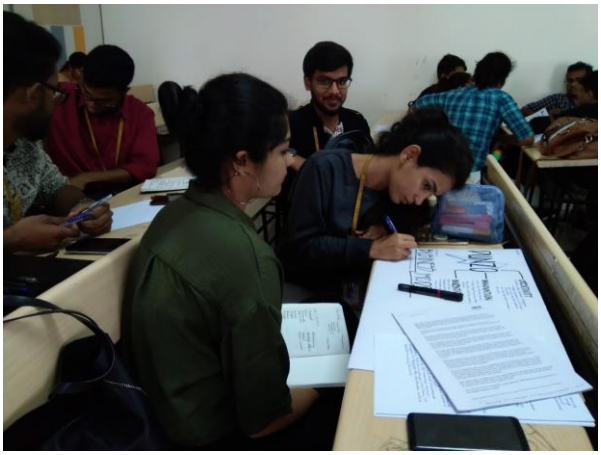
School of Architecture in association with, University-Industry Integration Centre, REVA University has organized and conducted a workshop on Innovation and Entrepreneurship. 36 students from the 7th semester and 2 faculties from the School of Architecture have attended the season on 22nd November 2019 and get benefited from it.

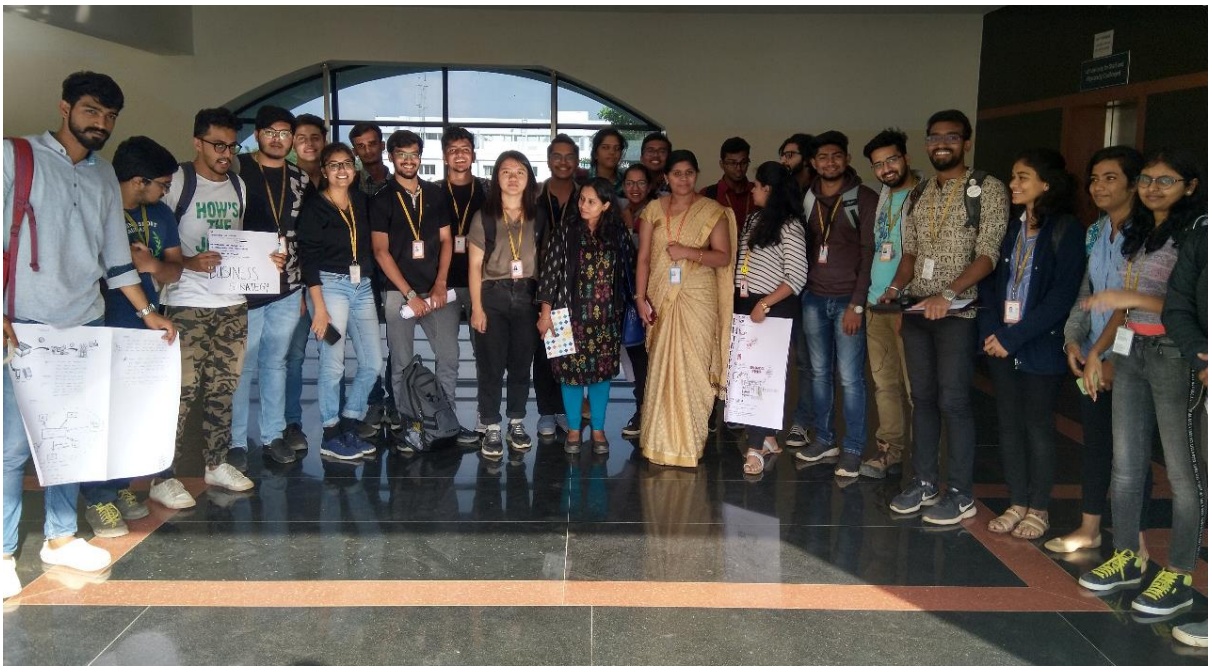
Ar. Sindhu Jagannath, an entrepreneur set up in Bengaluru, also a visiting faculty headed the workshop. The workshop began with lecture defining Entrepreneurship, a person who takes who set up a business, taking a risk in the hope of profit. The lecture also established strong characteristics that an entrepreneur should possess. The characteristics included; confidence, courage, competence, the right personality, self-discipline, and many more. The session also demonstrated how an entrepreneur begins with an idea to start-up to business. For ongoing business new ideas for up-gradation is also essential. Ar. Sindhu also emphasizes the relationship between Innovation and Entrepreneurship. All innovation may not transform to Entrepreneurship but the entrepreneur should have some innovation to begin with. From Imagination, a workable idea can be derived and from the idea, a reality invention could be created for entrepreneurship. The session also introduced a few key terms essential for entrepreneurship. Those are Venture, Profit, start-up, investor, task risks, launch, pitch, outsourcing, strategic alliance, capital, etc.

Further, to bring a comprehensive understanding of Innovation and entrepreneurship, few hands-on exercises have been conducted. Students were divided into several groups and a virtual scenario has been given to propose a startup based on innovative ideas. Student activity participated in the presentation and came up with innovative ideas for a start-up.

The Season was effective and brought awareness to several students and faculty participants. This surely will help the final year student in defining their carrier.

Photographs from the workshop





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MHRD'S INNOVATION CELL (GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

Report on
"Workshop on National Innovation and Start-Up Policy (NISP)"
In REVA University

Students: BSc, Students of Schools of Computer Science and Applications

Venue: Justice Hegde Seminar Hall, Swami Vivekananda Block, REVA University.

Date: 20-12-2019.

Organized By: UIIC, REVA University in association with Institution's Innovation Council, REVA University.

Faculty Coordinators: Ms. Keerthana K and Ms. Sneha N

UIIC, REVA University in association with Institution's Innovation Council, REVA University organized a workshop on National Innovation and Start-Up Policy on 20th December, 2019 where 100+ students participated.

The inauguration was held at 9:00 AM which was presided by Director of School of Computer Science and Applications, Dr. Senthil S. The chief guest for the inauguration was Ms. Sindhu Jagannath, Founder member of Prathama Srsti.

Ms. Sindhu Jagannath conducted a session on "Nurturing Innovations and Startups, learning interventions for entrepreneurial development.". Prof. Manjunath V S conducted session on "Creating Innovation Pipeline and Pathways for Entrepreneurs at Institute Level". Dr. Krishna, CEO, Ramanuja Management Services conducted sessions on "Collaboration, Co-creation, Business Relationships and Knowledge Exchange ".

We would like to thank our Honourable Chancellor Dr. P. Shyama Raju Sir for providing all facility and supporting to organize such events. We also thank Vice Chancellor Dr. S.Y. Kulkarni**,** Registrar Dr. M. Dhanamjaya, Dean, Placement, Training, and Planning Dr. N. Ramesh**.** We would like to thank directors of all the schools involved, for providing all the facilities, support and encouragement towards organizing the sessions. We also thank to Dr.

Kiran Kumari Patil, Director, University Industry Interaction Center, for the involvement in taking up and organizing the Program.

We thank the coordinators and everyone involved for the successful conduction of sessions today. UIIC is proud to be a part of the motivation and inspiration for the youth of the nation to begin their journey in entrepreneurship.

Photographs:

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MHRD'S INNOVATION CELL (GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

Report on International conference

INNOVATIONS IN BUSINESS ENVIRONMENT: ECONOMIC GROWTH AND SUSTAINABLE DEVELOPMENT

23/01/2020 & 24/01/2020

Report of the Inaugural Session:

School of Commerce and Management studies & IIC REVA University organised two days International conference which had more than 300 delegates from all over India and abroad.

The inaugural ceremony of the International conference on "Innovations in Business Environment: Economic Growth and Sustainable Development" commenced at Kuvempu Auditorium, REVA University. The program was presided after, Honourable chancellor of REVA University, Dr. P Shyamaraju, chief guest of the day, T. V Rao, Guest of Honor, Dr. Samantha Rathnayake, Vice Chancellor of REVA University, Dr. S Y Kulkarni, Registrar, Dr. M. Dhanamjaya and Dr. Shubha A, Director of School of Commerce and Management studies.

Dr. Shubha A. formally welcomed all the dignitaries present on the dais and participants from various parts of the country, colleagues & students. She mentioned about the significance of this conference.

Prof. T. V Rao, described the importance of innovation and nobility of thoughts. His experiences were appraised by the audience. He motivated everyone to actively participate in the international conference to get benefited. Dr. Samantha Rathnayake also shared his wide knowledge with the gathering.

In the end, Dr. M Dhanamjaya (Registrar & Dean Faculty of Commerce and Management) offered a vote of thanks. The program concluded at 11:00 followed by networking break.

Plenary Session 1

Dr. Rathanayake bought out the importance of 3 Cs in one's vision, the Context, Content and Conduct. He emphasized that one irrespective of whether a corporate or an individual need to have clear focus about what is being done and if that is the best way of doing it. He mentioned about various path breaking management gurus and their famous works and how over a period of time.

Plenary Session 2

Dr. Panda started the session by drawing the attention of the gathering about the need for economic growth in the society. He with the help of facts and figures, gave a clear picture of the Indian Economy. He also bought out the difference between the Indian Economy and that of the other developed economies across the world.

He concluded the session by bringing the importance of MDGs and SDGs and how the countries could be benefitted by implementing the goals.

Dr. P Narayan Reddy concluded day one by summarizing the thoughts about innovation and its implementation in India.

Day 2 of International Conference on 24th Jan 2020

The pre-lunch session of second day of the conference witnessed a panel discussion on the topic of Innovations In Business Environment: Economic Growth And Sustainable Development. The panel discussion was moderated by Dr. Narayna Reddy. Four panelists gave their insight on the topic and shared their knowledge with the gathering.

The first panellist was Dr. Jacob Crasta who spoke about the prospects of India as a nation and the impact that GST and Demonetization had on the Indian Economy. He said he believes that the problem is cyclical in nature and the economy will bounce back by April 2020. And also he enlighten the importance of youth entrepreneurs with innovative ideology rather being employee.

The second panellist, Mr Sanjay Shukla echoed a similar point of view. He also stated that the economy will bounce back and even though global outlook on India is low, India will be doing really good in coming months. He also referred to the concept of innovation and how having a winning attitude helps entrepreneurs.

The panel discussion was interrupted for a short coffee break of 15 minutes after which the third panellist Mr. Nithin Mahadevappa addressed the gathering. Mr Nithin spoke on

the advancement of technology and how the emergence of OLA and Zomato has shaped consumer behaviour and thereby impacted the economy.

The final Panelist Mr Raghunandan shared his idea on how education and colleges can impact the economy and role students and universities have in shaping an economy.

Mr. Narayana Reddy provided a brief summary of the panel discussion after which the panel took questions from the audience the audience asked about the way's government is supporting entrepreneurship and if there are ways that disruptive innovations can be stopped from causing economic harm.

The session concluded with the Director of School of Commerce and Management Studies, Dr. Shubha A, handing over mementos to the panel members as a token of our gratitude and appreciation.

Valedictory:

Valedictory session started with welcoming Valedictory guest Prof. Shyma sunder & Dr. P Narayana reddy Group Director, Sanskrithi Group of Institutions, Puttaparthi, Anantapur by Dr. Meenakshi Verma.

Dr. Shubha A, Director School of Commerce and Management studies, summarised all the sessions of the conference and also gave a valid insight about theme of the conference.

Dr. Harani B, Conference Co-oridinator, proposed a formal vote of thanks.

Photographs:

REVA UNIVERSITY
Bengaluru, India

Institution's Innovation Council (IIC), REVA University

Organises

Innovation's In Business Environment: Economic Growth and Sustainable Development

Date : 23-01-2020 & 24-01-2020
Time : 09:00 AM

Venue :
Kuvempu Auditorium

www.reva.edu.in

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MHRD'S INNOVATION CELL (GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

Report on One Day session on How to plan for Start-up and Legal and Ethical Steps

Name	One Day session on How to plan for Start-up and Legal and Ethical Steps
Date	7th Feb 2020
Timing	09.30 a.m to 03:30 p.m
Number of Students Participated	60
Venue	Class room 415 Swami Vivekananda Block. Entrepreneurship
Resource person:	Ms. Arshiya , Corporate Executive Trainer REVA University
Event organizing Body	IIC, REVA University, School of Computer Science and Applications, REVA University

About the Program

To train the students aimed at gaining better clarity towards IPR-Intellectual Property Rights, Legal and Ethical Steps in Startups. Intellectual property rights are the rights given to persons over the creations of their minds. They usually give the creator an exclusive right over the use of his/her creation for a certain period of time.

Highlights of Session.

- Introduction to IPR
- An Example of History of Ekalvya and Dronacharya.
- Patent- Importance of Patents, Requirement/Necessary of patent.
- Trademark
- Copy Rights
- Trade Secrets
- How to launch the startup?
- Ethical & Legal Entity, Registration of the company Etc.

We would like to thank our Honorable Chancellor Dr. P. Shyama Raju Sir for providing all facility and supporting to organize such events. We also thank Vice Chancellor Dr. S.Y. Kulkarni**,** Registrar Dr. M. Dhanamjaya, Dean, Placement, Training, and Planning Dr. N. Ramesh**.** We would like to thank Dr. S Senthil, Director - School of Computer Science and Applications, for providing all the facilities, support and encouragement towards organizing the sessions. We also thank to Dr. Kiran Kumari Patil, Director, University Industry Interaction Center, for the involvement in taking up and organizing the Program.

We thank the coordinators and all the staff members involved for the successful conduction of the session

Photographs:

Guest Lecture on "New venture creation and business opportunity identification for millennial entrepreneurs"

School Name: School of Management Studies & IIC REVA University

Number of Students: 50

Date: 07-02-2020

Conducting guest lectures has been a regular practice to provide experiences of actual interaction with experts from the industry and entrepreneurs. With this motive, School of Management Studies & IIC REVA University organized a Guest lecture on the 7th of Feb, Friday, 2020 for BBA Entrepreneurship students in C.K. Prahalad Seminar Hall of Swami Vivekananda Block. The guest lecture was delivered by an expert in the field of entrepreneurship, educator and entrepreneur generator, Prof. Raghunandan N. K. The topic of the guest lecture was- "New venture creation and business opportunity identification for millennial entrepreneurs". Prof. Raghunandan is associated with NEN, National Entrepreneurship Network of the Wadhwani Foundation in Bangalore. Around 50 BBA-entrepreneurship students attended the guest lecture.

The 3 hours session conducted by Mr. RAGHUNANDAN NK from NEN, oriented the students on the entrepreneurial competencies, need for entrepreneurship, the purpose of taking up entrepreneurship and opportunities that can be taken up by these entrepreneurs.

Profile of Prof. Raghunandan N.K.-

Mr. RAGUNANDAN NK is a result-oriented and visionary professional with 22 years of corporate / industry experience in customer relations, entrepreneurship in education domain, consultancy in strategic management and marketing, mentoring of startups and academia experience. He is a proven expert in Entrepreneurship Educator with National Entrepreneurship Network (NEN) – Wadhwani Foundation. He has been working in Surana Post Graduate College as Associate Professor and associated

with few Education, HR Management, Eco Management Initiatives as well. Mr. Raghunandan is pursuing Ph.D. in "Strategic Management & Marketing in Entrepreneurship" from Dayananda Sagar University and has a keen interest in the areas of Entrepreneurship and Ethics, Strategic Management and Execution, Strategic Marketing Management, Human Resource Management, Negotiation and Conflict Management, Strategic Alliances and Alliance Networks. He is an effective communicator with proven interpersonal skills, a great speaker and proven excellence in working towards upliftment of the academic standards by motivating personnel and students. He is also involved in Admission enrollment, Counselling, Placement, Consulting, and Incubation initiatives with a clear intention, focus and commitment to work on building the organization.

Mr. RAGUNANDAN NK spoke about how could everyone identify problems that are existing around us as opportunities and how could one find solution to it. He invoked in students the keenness to find opportunities in problems and the need to take the risk of taking the first step into new venture creation. He also motivated the students to change the mindset and perception that we have about starting a new venture.

He emphasized the need to eliminate the fear of failure and have confidence in oneself to determine what one is supposed to do. He mentioned about the various problems or challenges in entrepreneurship and new venture creation, and stated that that funding is not at all a problem as numerous agencies, angel investors, corpus funds, target accelerators are available today who are always ready to fund innovative ideas. It is only confidence that one should have in order to take the first step towards entrepreneurship. He emphasized on developing the confidence in oneself to have dreams and eventually make their dreams come true without letting it die.

Before concluding, he mentioned that one should be able to answer three questions:

1) Who I am?
2) What I know?
3) Who else I know?

Prof. Raghunandan focused on self-introspection and self-awareness in order to identify the right opportunity and invest on it. He re-iterated that it is absolutely fine if a person does not have complete knowledge but one should be able to find a right person for a particular task. Then he mentioned that it's important to think divergently and out of the box, talk, express and open up about the idea one has

regarding any issues or problems. The resource person identified many new business opportunities that can be taken up by present generation youth and students. He highlighted the need to start entrepreneurial ventures from the campus itself in the form of small ventures and then either selling it to the upcoming batch or handing it over to the junior batch who can take care of the business operations. Mr. Raghunandan's inspiring words were instrumental in motivating the students towards entrepreneurship and around 15 out of them stood up with the zeal to start up a venture. He promised support and mentoring to all those who were ready to start off with their ideas and become an entrepreneur.

It has been a great opportunity to learn from the inspiring words and experiences of Prof. Raghunandan N.K. We are very grateful to Dr. Shubha A, Director of School of Management Studies for providing us the facilities and support for conducting such guest lectures and Dr. S.K. Prasad for connecting us to the resource person. The guest lecture has been coordinated by Dr. Nitu Ghosh and supported by student coordinators of BBA- Entrepreneurship -IV sem.

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BEYOND THE WALLS: USING THE OPEN ENVIRONMENT FOR DESIGN THINKING

AN EXERCISE IN BLENDED LEARNING FOR ARCHITECTURAL DESIGN STUDIO

School Name: School of Architecture & IIC REVA University

Number of Students: 74

Date: 12.02.2020

Venue: Saugandhika Stage and Gazebos, REVA University

Others have seen what is and asked why. I have seen what could be and asked why not."
— Pablo Picasso, Pablo Picasso: Metamorphoses of the Human Form: Graphic Works, 1895-1972

Architectural design is a course that hinges on creativity, critical thinking, logical reasoning and above all a passion to bring into fruition the idea into reality. The 4th semester students were introduced to the problem in an innovative manner, by displacing them from the usual environment of the classroom, and placing them in the open sylvan grounds of Saugandhika.

Introduction to Problem Statement: The problem statement is to design a Youth Centre for the city of Bangalore that will encompass Sports facilities, performance spaces, workshop spaces, café, open air auditorium and recreational spaces apart from club rooms for various activities. The design brief was tailored to suit the students' age group so as to come up with a built space that they could most identify with.

The Methodology: The initial discussion was participatory in nature, with students opening up about the kind of spaces they need in the City that bring in equity and give them freedom to be themselves. The studio coordinators then gave the task of creating a work of Art that reflects the essence of what YOUTH means to them. Students were also free to create a piece of Music set to lyrics that reflects this thought. The students were completely engaged in the task for the next 3 hours, finding inspiration from the lush grounds of the Saugandhika lined with the trees that stood tall in the morning light. Others found nooks and spots in the Gazebo and stage to sit down with their guitar and strum along the lyrics penned that symbolize what a Youth Centre should stand for.

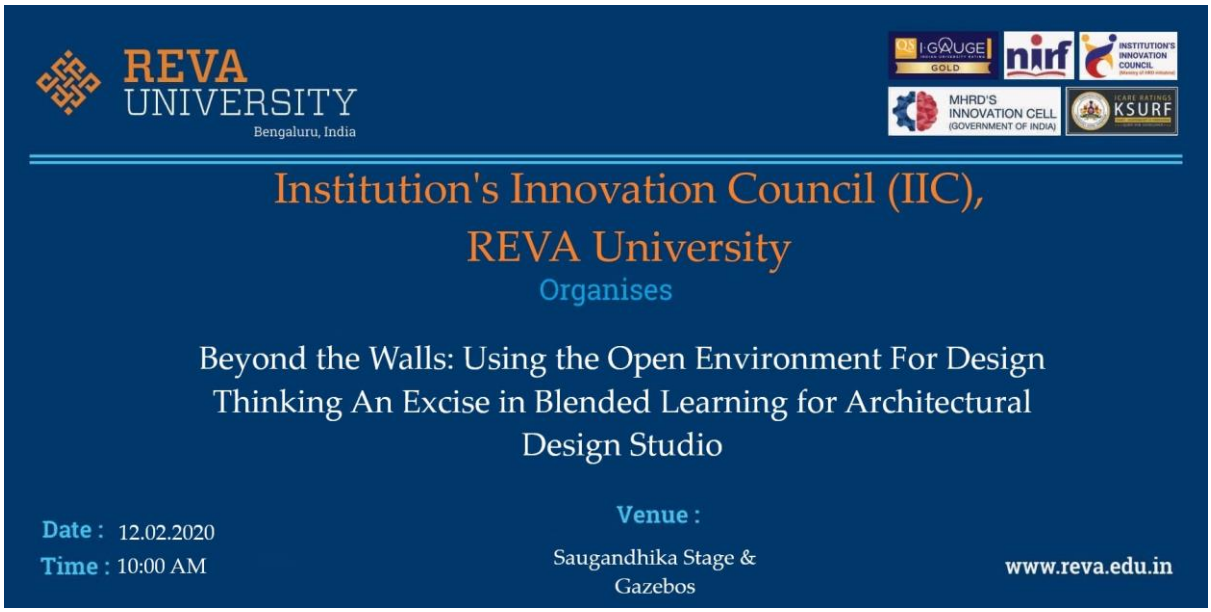
Faculty Mediation: The studio coordinators then initiated a one to one discussion with each student to interpret the art creation into a word that can most describe the idea. The words that emerged were Energy, Freedom, Fluidity, Dominance, Power, Fluctuation, Equality, Unity and many more. Each student was able to abstract the word into an art composition. The team of students who chose to express themselves through music composed a piece called "The House of the Young", set it to music and performed the same in front of their peers.

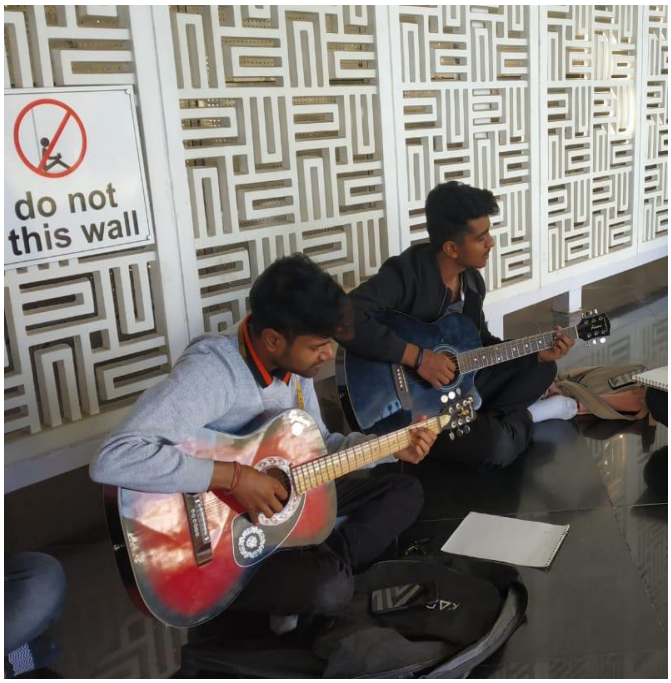
Teaching-Learning Outcomes: The entire exercise in the outdoors was a refreshing change for the students as well as studio coordinators, who were surprised to see the output and thinking process of students who are under performers and do not push their boundaries within the confines of the classroom. It was these students who had powerful and innovative ideas. The entire process was an initial exercise to trigger the Concept development process which will reflect in the form of the Youth Centre.

We thank the Honorable Chancellor for providing such open spaces within the campus where students are free to express themselves. We are thankful to Director Dr. Vimala Swamy for encouraging faculty members to carry out such sensorial learning exercises that alleviate the boredom of traditional Classroom learning among students.

Photographs from the Studio, en Plein air!

Photographs:

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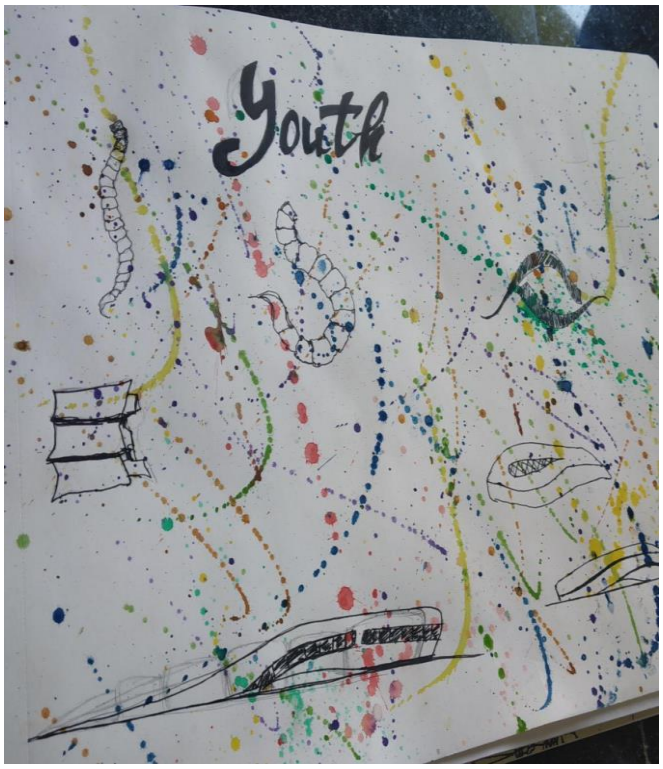
Youth

LET'S
READ

SWITCH OFF FANS
LIGHTS WHEN
NOT IN USE

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MHRD'S INNOVATION CELL (GOVERNMENT OF INDIA)

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Report on

"One Day Awareness Session on IPR Copyrights & IP Management"

In REVA University

Students: B. Tech Students, School of Electrical and Electronics Engineering.

Venue: C N Rao seminar Hall, Sir C V Block, REVA University.

Date: 19-02-2020.

Organized By: IIC, REVA University in association with School of Electrical and Electronics Engineering

Faculty Coordinators: Adithya Ballaji

IIC, REVA University in association with School of Electrical and Electronics Engineering organized and conducted a session on One day awareness session on IPR Copyrights & IP Management on 19th of February to the students of B. Tech Students, School of Electrical and Electronics Engineering. 220 students attended the session for the same.

The training was conducted by resource person, Arshiya Ambreen, Corporate Executive and Trainer, UIIC, REVA University

Following topics were covered:

1. Introduction on Patents and Copyrights
2. Trademark
3. Trade-secret
4. Design
5. Geographical Indications
6. IP Management

We would like to thank our Honorable Chancellor Dr. P. Shyama Raju Sir for providing all facility and supporting to organize such events. We also thank Vice Chancellor Dr. S.Y. Kulkarni**,** Registrar Dr. M. Dhanamjaya, Dean, Placement, Training, and Planning Dr. N. Ramesh**.** We would like to thank Dr. Rajashekar P Mandi, Director - School of Electrical and Electronics Engineering, for providing all the facilities, support and encouragement towards organizing the sessions. We also thank to Dr. Kiran Kumari Patil, Director, University Industry Interaction Center, for the involvement in taking up and organizing the Program.

We thank the coordinators and all the staff members involved for the successful conduction of the session

Photographs:

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64MP QUAD CAMERA

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REVA

Report on Impact Lecture Series-Lecture I

Date: 19-02-2020 to 12-03-2020

Organized By: UIIC, IIC REVA University with various Schools

Venue: REVA University

Total Number of Students Trained in the Lecture Series: 395

Objective of the Program:

The objective of the Impact Lecture Series scheme is to promote and create awareness on innovation, startup and Intellectual Property (IP) among students and faculties in IIC institutes. Through this impact lecture series, selected IICs will organize two lecture series in the field of innovation, startup and Intellectual Property (IP) by inviting external experts or successful innovators, startup founders, patent experts to campus

Resource Person Profile:

Adv. Arshiya Ambreen works as a Corporate Executive and Trainer in University Industry Interaction Cell, REVA University. She has graduated with a Bachelor of Commerce Degree. She also has a post-graduation of diploma in business management under her name along with Bachelor of Laws. She has worked as a personality development trainer in various institutes across India and Saudi Arabia. She has enrolled as an advocate at the Bar Council of Karnataka and also certified by Karnataka science and Technology Academy and KSCST for successful Completion of IPR session.

Lecture Series conducted at different schools

SI.No.	Date	Name of School
1	19.02.2020	Electrical and Electronics Engineering
2	20.02.2020	Computer Science and Application
3	04.03.2020	Architecture
4	12.03.2020	Computer Science and Application

Resource Person explained how innovative ideas could be patented and can lead to major startups. The trainer also trained on the technical and complicated process of patent and its necessity through metamorphic references from several day-to-day life events and how these events could lead to invention, which made the season interactive and much easier for the students to comprehend. Students not only learned the necessary features for an idea to be considered for patent but also apprehend the basic criteria before filling for patent. Description from surrounding and current affairs on Patent criteria such as New invention, Non-obvious idea and Industrial application along with explanation of concept of "Prior art" brought clarity among the students. Students were very curious and asked several questions to get proper understanding on various aspect of Intellectual properties and their significance.

The Session was effective and brought awareness in several students and faculty participants; they were give necessary links to have more knowledge on the said topic.

19.02.2020 EEE B. Tech4th Semester (Number of Students: 180)

20.03.2020 B.Sc VIII Sem, (R) School Of CSA ((Number of Students: 60)

04.03.2020 VI sem, School of Architecture (Number of Students: 45)

12.03.2020 - MCA 4th Sem, School of CSA ((Number of Students: 110)

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We thank the coordinators and all the staff members involved for the successful conduction of the session

Photographs:

REDMI NOTE 8 PRO
64MP QUAD CAMERA

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Report on

"Best Idea and Business Plan Competition"

Students: B.Tech Students, School of Electronics and Communication Engineering.

Venue: Robotics Lab, Sir C V Raman Block, REVA University.

Date: 18-10-2019.

Organized By: IIC REVA University, Sattva - EDC, School of Electronics and Communication Engineering

Faculty Coordinators: Prof. Nirmalkumar S. Benni, Dr. Ravi Kumar M G

IIC REVA University, Sattva- Entrepreneurship Development Club, School of Electronics and Communication Engineering, REVA University organized and conducted a Best Idea and Business Plan Competition on 18th of October to the students of B.Tech, School of Electronics and Communication Engineering. 6 teams attended the competition.

The competition was judged by Dr. Veena K.N, Professor, School of ECE and Mr. Suraj. N. Mr. Gagan R Reddy from 7th Semester, School of ECE secured the first place in both competitions while Mr. Mohan Kumar from 7th Semester, School of ECE secured the second place in Best Idea Competition.

We would like to thank our Honorable Chancellor Dr. P. Shyama Raju Sir for providing all facility and supporting to organize such events. We also thank Vice Chancellor Dr. S.Y. Kulkarni**,** Registrar Dr. M. Dhanamjaya, Dean, Placement, Training, and Planning Dr. N. Ramesh**.** We would like to thank Dr. R C Biradar, Director - School of Electronics and Communication Engineering, for providing all the facilities, support and encouragement towards organizing the sessions..

We thank all the teaching and non teaching staff members involved for the successful conduction of the competition.

Photographs:

Report on
Coffee Meet up and Interaction with Startups

Venue: Board Room C V Raman Block

Date: 22-02-2020

Organized By: REVA NEST, REVA IIC

Number of Startups Participated: 20

REVA NEST, IIC REVA University conducted a coffee meet up and interaction with the startups incubated within REVA University on 22nd February - 2020. Dr. David Smallbone, Professor of Kingston University was invited as the chief guest for interactive session. The interaction saw the startup companies discuss about possible collaborations and possible breakthroughs in innovation to elevate their organization to a higher level.

We would like to thank our Honorable Chancellor Dr. P. Shyama Raju Sir for providing all facility and supporting to organize such events. We also thank Vice Chancellor Dr. S.Y. Kulkarni, Registrar Dr. M. Dhanamjaya. We would like to thank Dr. S K Prasad Professor - School of Management Studies, for providing support and encouragement towards organizing the sessions. We also thank Dr. Kiran Kumari Patil, Director, University Industry Interaction Center, for the involvement in taking up and organizing the program.

Photographs:

REVA UNIVERSITY
Bengaluru, India
MHRD'S INNOVATION CELL (GOVERNMENT OF INDIA)
INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)
Coffee Meet Up & Interaction with Startups
• Exploring possibilities of collaboration with respect to each startup
• To showcase Startups and their strengthens
22th February 2020
11:00 AM to 12:00PM
Venue
Board Room, C.V. Raman Block
Rukmini Knowledge Park
REVA University, Bangalore -560064
/REVANEST

REVA-NEST

REVA UNIVERSITY
Bengaluru, India
Established as per the section 2(f) of the UGC Act, 1956,
Approved by AICTE, New Delhi

MHRD'S INNOVATION CELL (GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

REPORT ON ENTREPRENEURSHIP WEEK -2020

Organized by Entrepreneurship Club, School of Management Studies & IIC REVA University

From 24th Feb 2020 – 28th Feb 2020

The Entrepreneurship Club of School of Management Studies in association with IIC REVA University organized a week long program- "ENTREPRENEURSHIP WEEK-2020" for students to show case their entrepreneurial talent, intent and skills from 24th Feb to 28th Feb 2020. Every student pursuing management program has a hidden dream of becoming an entrepreneur and setting up a successful business venture at some point of time. In order to facilitate the students to fulfill their wish and achieve a sense of success, the Entrepreneurship Club of School of Management studies provides them competitive platform to display their talent, ideas, innovative skills in the best possible manner and become winners. They not only get an experience of competitive participation and winning or losing, but very valuable constructive feedback is been offered to them by expert Judges, who are either entrepreneurs or entrepreneur educators.

ENTREPRENEURSHIP WEEK-2020 was conducted with a purpose to-

- Assess and identify entrepreneurial talent among the students
- Provide constructive feedback to students to develop further in the direction towards successful entrepreneurship
- Extend support to exemplary ideas
- Identify ideas to be incubated in REVA
- Motivate and nurture students to develop entrepreneurial skills, acumen and intent.

The Entrepreneurship Week-2020 commenced from 24th Feb and concluded in 28th Feb 2020. It was conducted in the School of Management studies. All contests witnessed participation of many teams from MBA, BBA and Commerce students. The event witnessed participation of more than 300 students all together.

The events conducted during the Entrepreneurship Week-2020 are as follows-

Sl no.	Name of event	Date	Name of event
1.	BEST BUSINESS IDEA CONTEST (THEME- PANCHA BHOOTHA)	24-02-2020	UNIQUE PRODUCT PROTOTYPE (WEALTH OUT OF WASTE)

2.	**DEMO DAY (PRESENTATION ON SUCCESSFUL STARTUP ORGANISATIONS)**	**25-02-2020**	**CASE-BUILDING CONTEST ON SOCIAL ENTREPRENEURS (PRESENT YOUR OWN CASE)**
3. **4.**	**GREEN BUSINESS PLAN CONTEST** **ONE DAY ENTREPRENEUR IN THE CAMPUS (BUILD YOUR BUSINESS IN ONE DAY)**	**26-02-2020** **27-02-2020**	
4.	**PANEL DISCUSSION ON "CHANGING LANDSCAPE IN ENTREPRENEURSHIP- OPPORTUNITIES & CHALLENGES"**	**28-02-2020**	

The First event- Business Idea contest conducted on 24th Feb 2020 witnessed 12 teams from Management Studies and Commerce. The event was judged by Prof. Manjunath and an entrepreneur from REVA NEST, Mr. Sourabh Mathur , who is the founder of ESANOSYS TECHNOLOGIES. The event had vibrant presentations of innovative business ideas , which received a lot of appreciation and constructive feedback from the judges and audience.

The Second event was DEMO DAY- which was a presentation based on any start-up organisation that has been innovative and successful. Many teams from both Commerce and Management studies participated in this contest with wonderful presentations on various successful Start-Up businesses. The event was judged by Prof Archie D Souza , who is the EDII Expert for BBA Entrepreneurship in REVA University and Prof. Manjunath VS. Only one team was deemed as winner in this contest.

The Third event was- Unique Product Prototype (Wealth out of Waste) Event, conducted on 23rd Feb from 2.00 to 4.00pm in CK Prahalad Seminar Hall. The judges of the event were- Prof. Abhishek and Prof. Rakesh. This event saw good participation from both schools. Unique ideas like jute products made of waste jute bags and rags, waste paper , straws etc were been exhibited in this event.

The Fourth event- Case Building contest had 6 teams. Interesting cases on entrepreneurship were given to the participating student's over-night and they were supposed to crack it and present it in front of the judges. The Judges for the event were –

Prof. Bharti Ayer and Dr. Nitu Ghosh. Event was coordinated by Prof. Nagaraju LG along with his student coordinators. The event was successfully conducted.

The Business Plan contest was conducted on the 26th Of Feb. It had 11 teams participating. The judges for the event were- Mr. Sanjay Shukla (EDII Expert, Angel investor and Entrepreneur generator) and Mr. Sourabh Mathur (Founder of Esanosys and Incubatee in REVA NEST).

The judges were impressed by the innovative ideas and business plans presented by the participants. Unique and sustainable plans like- Online app for providing Gardening services, Maid/ housekeeping services app, Divine food/prasadam food preparation, theme based restaurant etc have been presented by the participants. The Entrepreneurship Week-2020 concluded with a Panel discussion on “Changing Landscape in Entrepreneurship- Opportunities and Challenges”.

REPORT ON PANEL DISCUSSION ON CHANGING LANDSCAPE OF ENTREPRENEURSHIP: OPPORTUNITIES AND CHALLENGES

Organized on 28th Feb, 2020

Number of Students: 200

IIC REVA University & School of Management Studies organized a Panel Discussion on "Changing Landscape of Entrepreneurship: Opportunities and Challenges" on the 28th of February 2020 in the C K Prahalad Seminar Hall, Swami Vivekananda Block from 10.00am to 12.45pm. The Panel discussion was conducted as a part of the week long program- Entrepreneurship Week 2020. The galaxy of panelists included stalwarts from entrepreneurship research and businesses. The Panelists included entrepreneurs, entrepreneur generators, angel investors, incubatees and entrepreneurship-researchers. The panellists were Dr. Poornima Wasdani, Ms. Annapoorna A, Mr. Pawan Sriram and Mr. Saurabh Mathur. The panel discussion was moderated by Mr. Sanjay Shukla, Angel investor, educator and entrepreneur generator. The audience included 200 focus group students of MBA, BBA Entrepreneurship and BBA Honors along with faculty.

The panellists shared their experiences and knowledge on the theme of the Discussion and highlighted on what it takes to be an entrepreneur along with the opportunities, challenges and evolution of entrepreneurship. They also spoke of incentives of becoming entrepreneur, challenges, role of opportunity identification in entrepreneurship generation and success, human aspect of entrepreneurship, mass entrepreneurship and technology as an enabler of entrepreneurship. The topic of gender-based entrepreneurship was also given impetus.

The Panel Discussion started with a short welcoming address delivered by Dr. Nitu Ghosh, pcoordinator of BBA Entrepreneurship. The dignitaries were introduced to the audience and welcomed with a small momento on behalf of the School of Management Studies. The discussion

started with a talk delivered by each panelist for 15-20 minutes related to the changing landscape of entrepreneurship in India- opportunities and Challenges. Dr. Poornima Wasdani spoke about the evolving trends in entrepreneurship, human aspect of entrepreneurship, mass entrepreneurship, technology integration a san opportunity in entrepreneurship and importance of opportunity identification.

Mr. Pavan Sriram was the second panelist to speak and he emphasized on the point- Why entrepreneurship? And highlighted the importance of problem identification, technology based entrepreneurship, which is also referred to as e-entrepreneurship.

Ms. Annapurna A., founder of Emotionalytics provided a lot of statistics on entrepreneurship and start-ups in India. Her powerpacked talk infused a lot of enthusiasm among the students and also sensitized them on the challenges that every start-up entrepreneur has to face in the current scenario. She also focused on the need to develop one's emotional intelligence in order to be resilient, which is a very crucial competence of start-up entrepreneurs in order to succeed.

Mr. Saurabh, was the last speaker and he emphasized on the concept of serial entrepreneur. He emphasized how it is always beneficial for the economy and the individual to be a serial entrepreneur. Mr. Saurabh spoke about the resources required to start-up a venture from scratch and the importance of presenting one's ideas to all possible person in order to get support and funding for establish one's enterprise. He spoke about technology and agility in entrepreneurship.

The panel discussion was finally summarized and moderated by Mr. Sanjay Shukla. He asked each panelist an interesting question based on what they spoke and this led to a quick interesting deliberation. The students were interested and enthusiastic to learn so much from the beginning to the end of the program. After the panel discussion the distinguished panelists answered few questions asked by students and advised them not to commit few mistakes in the process of the entrepreneurial journey.

Overall it was an interesting and informative session where all the students got to learn a lot.

Finally the vote of thanks was delivered by Dr. Nitu Ghosh. On behalf of the students and faculty of School of Management Studies, she thanked the dignitaries for sharing their experiences and knowledge with the audience and enlightening all. She thanked Dr. Shubh a A, School of Management Studies for always supporting and motivating in conducting such events. She also thanked the management, staff, non-teaching staff for their support and the students for their

patience hearing and good discipline. Dr. S.K. Prasad had been instrumental in connecting to the dignitaries. Dr. Nitu Ghosh expressed her gratitude to him for the same. The panel discussion ended with a group photos and growing inquisitiveness among students towards entrepreneurship.

Photographs:

Panel Discussion on Changing Landscape of
Entrepreneurship: Opportunities and Challenges
28th Feb 2020. 10.00 am
Dr. POORNIMA WASDANI
Ms. ANNAPOORNA A
Mr. SANJAY SHUKLA
Mr. PAWAN SRIRAM

Report on Industrial visit to CoreEL Technologies

Number of students: 25
Date: 29-02-2020

The School of Electronics and Engineering, IIC – REVA University organized an Industrial visit to **CoreEL Technologies, Koramangala, Bangalore-560034 on 29/02/2020** for final year students.

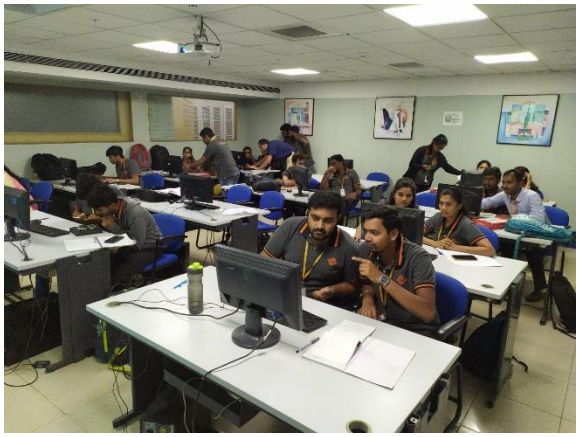
CoreEL Technologies is a Customer Application Specific Product & Solutions (CASPS) company offering **innovative** solutions, ranging across Intellectual Property (IP) cores, Design & Development, -System Design & Prototype Development, Next-Generation Digital products, Integrated solutions, Low Volume Manufacturing, System Upgrades and Obsolescence management, EDA tools, COTS products, Semiconductor solutions and Technology Training. They are a leading developer of advanced electronic system level products and solutions to three primary areas – **Aerospace & Defence, Digital Media Broadcast** and **Universities & Institutions of higher learning.**

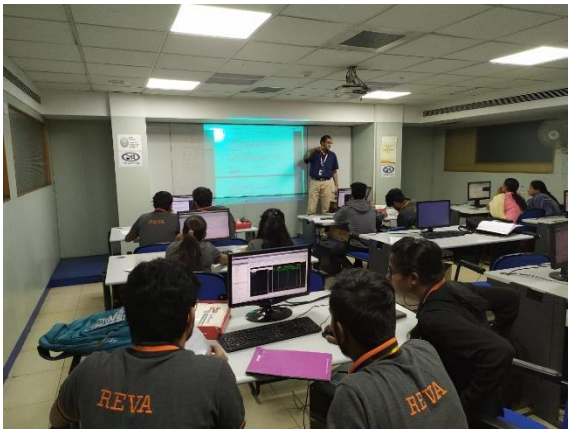
Mr. Arun Mathias, Manager, Training Division of CoreEL Technologies welcomed the gathering and guided the students with initial presentation of the company and demonstrated the Vision and Mission of the CoreEL technologies.

We would like to thank our beloved Chancellor **Dr. P. Shyama Raju Sir** for providing all facility and support to conduct such Events. We also thank Vice Chancellor **Dr. S.Y.**

Kulkarni Sir, Pro Vice Chancellor**, Dr.Y.Lakshman Kumar Sir,** Registrar **Dr. M. Dhanamjaya** Sir, Dean, Placement, Training, and Planning **Dr. N. Ramesh** Sir for their constant support in organizing such events.

We extend our special thanks to our beloved Director **Dr.Rajashekar C. Biradar, Dr. Seeta Rama Raju, Dr. Arunachal M, Dr. G. Seshikala and Dr.Venkata Siva Reddy** for their continuous support, encouragement and motivation. We extend our special thanks to our Dean –Research & Innovation Council –REVA University, Dr. B.P.Divakar for continuous support.




REVA
REVA

Event Report on Innovation Day
Organized by School of Computing and Information Technology, IIC REVA University

Date: 29th Feb 2020

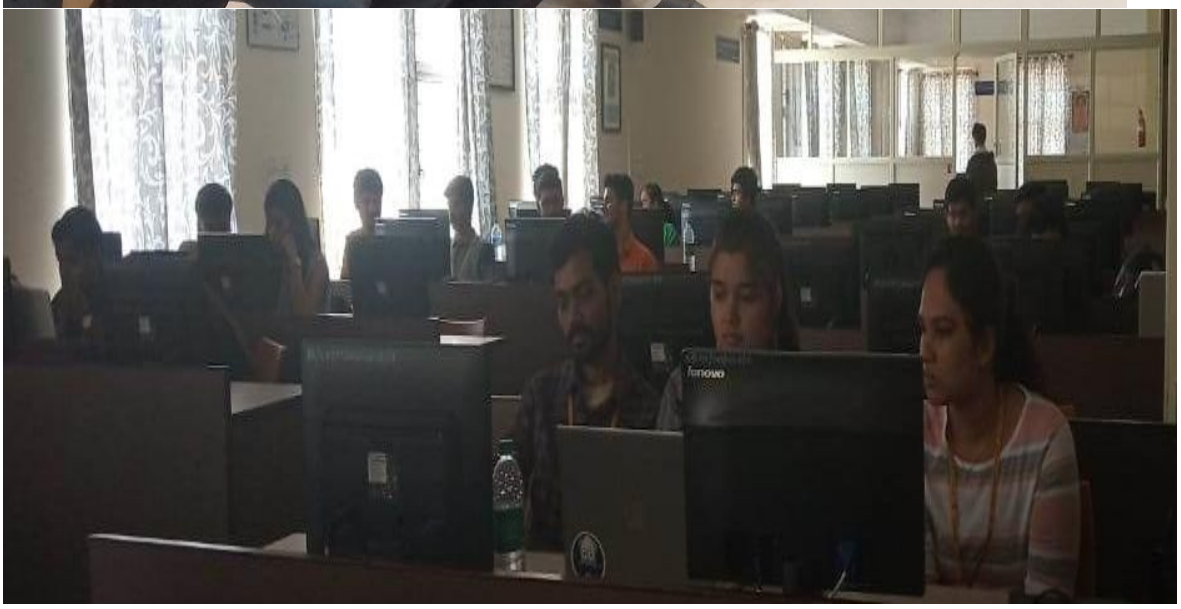
The School of Computing and Information Technology and the IIC REVA University organized 2nd Annual School Innovation Day on 29th Feb. 2020.

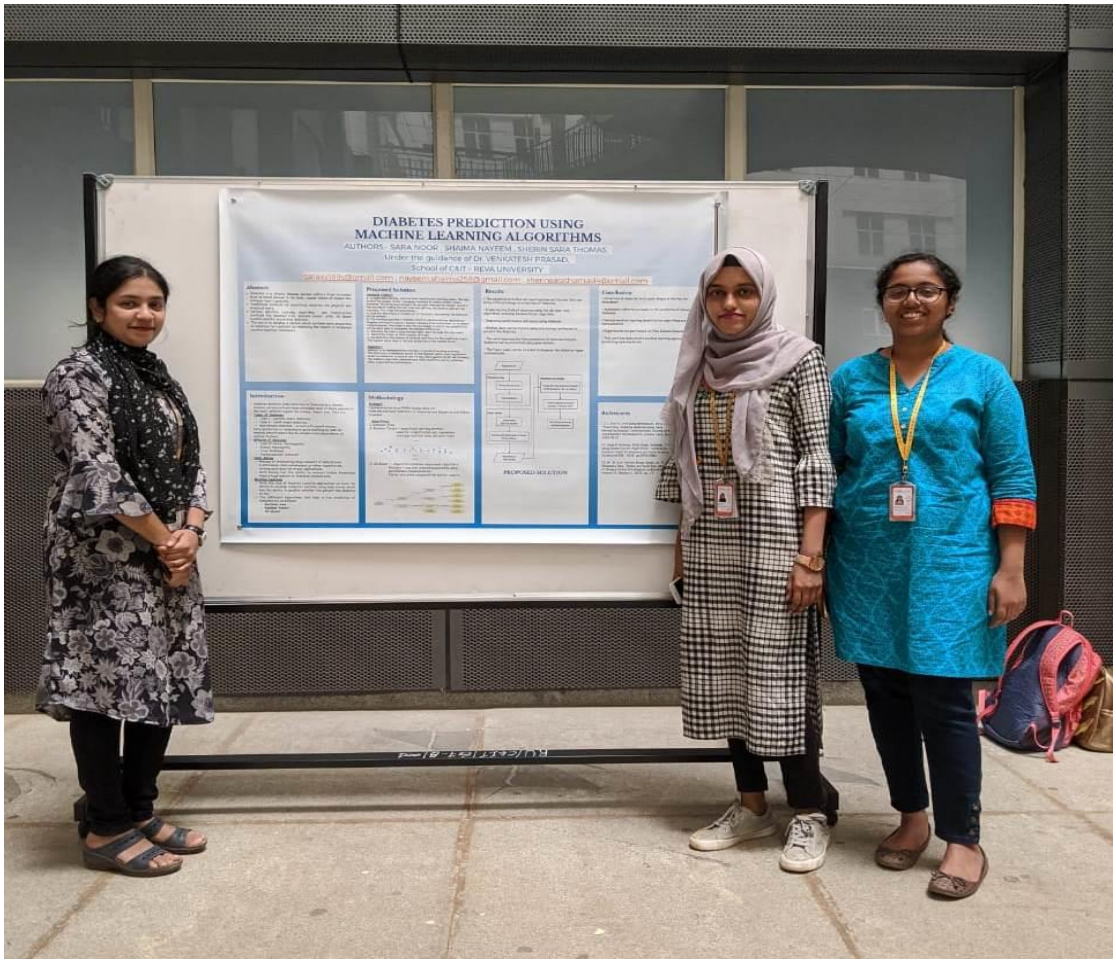
The event witnessed three activities all with the aim of fostering a habit of innovation among the faculty members and students -

1. On this occasion we had Dr. Vivek Venkobarao, Senior Member IEEE, ExeCom Member IEEE-CES and TEMS to speak on "Procuring Research Grants" to the faculty member of the School.
2. This was followed by Poster Contest in which the selected posters were presented by our students of 6th and 8th semester.
3. On a parallel track, we had a Data Science hackathon – DATAHACK 1.0 in which the students coded some brilliant solutions and derived interesting insights from the data set shared to them.

We gratefully acknowledge the facilities provided by Hon'ble Chancellor Sir, the support provided by Hon'ble VC Sir, Registrar Sir and other members of senior management. We warmly thank the Director SoCIT, Dr. Sunilkumar S Manvi Sir and senior professors and colleagues for the support extended to us.

Photographs:




DIABETES PREDICTION USING
MACHINE LEARNING ALGORITHMS
AUTHORS : SARA NOOR , SHAIMA NAYEEM , SHERIN SARA THOMAS
Under the guidance of Dr. VENKATESH PRASAD
School of CAIT - REVA UNIVERSITY
PROPOSED SOLUTION

Session on IPR and Copyright

Date: 5thMarch 2020

Organized By: UIIC, IIC REVA University in association with School of Arts and Humanities

Subject: Session on IPR and Copyrights

Teachers /Coordinators: Dr. Premalatha S

UIIC, REVA University in association with **School of Arts and Humanities** organized and conducted a session on **IPR and Copyrights on 5th of March 2020** to the students of M.A English2nd&4th Semester, 35 students attended the session for the same. The training was conducted by resource person, Ms. **Arshiya Ambreen, Corporate Executive and Trainer, UIIC**

The IPR session was very interactive as well as informative. The students were imparted with knowledge on Intellectual Property Rights, the trainer explained the technical and complicated process of patent and its necessity through metamorphic references from several day-to-day life events, which made the session interactive and much easier for the students to comprehend. Students not only learned the necessary features for an idea to be considered for copy right but also apprehend the basic criteria before filling for copyright. The session brought clarity among the students the process of Copyright. Students were very curious and asked several questions to get proper understanding on various aspect of Intellectual properties and their significance.

Following topics were covered:

1. Introduction on Patents and Copyrights

2. Importance and Significance of IPR and Copyrights

3. Trademark

4. Trade-secret

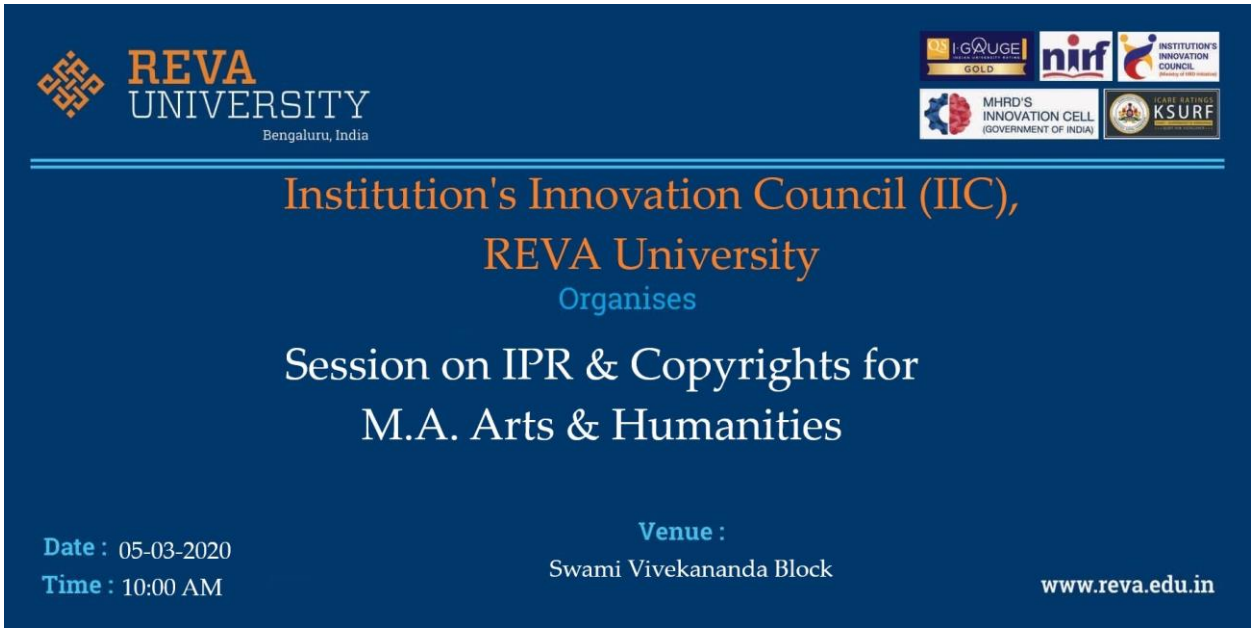
5. Design

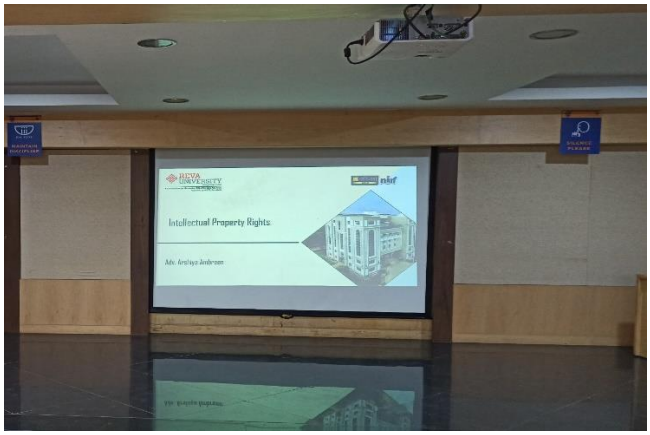
6. Geographical Indications

We would like to thank our Honorable Chancellor Dr. P. Shyama Raju Sir for providing all facility and supporting to organize such events. We also thank Vice Chancellor Dr. S.Y. Kulkarni**,** Registrar Dr. M. Dhanamjaya, Dean, Placement, Training, and Planning Dr. N. Ramesh**.** We would like to thank Dr.Payel Dutta Chowdhury, Director - School of Arts and Humanities, for providing all the facilities, support and encouragement towards organizing the sessions. We also thank to Dr. Kiran Kumari Patil, Director, University Industry Interaction Center, for the involvement in taking up and organizing the Program.

We thank the coordinators and all the staff members involved for the successful conduction of the session

Photographs:




Intellectual Property Rights

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MHRD'S INNOVATION CELL (GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

Talk and workshop on Entrepreneurship and Innovation

Agenda: **Entrepreneurship, Start-ups, Innovation, Ideas**
Trainer: **Priya Menon**, Founder and CEO, Floral Charm
Organizer: **IIC, UIIC, School of Architecture REVA University**
Coordinator: **Asst. Prof. Anup Kumar Prasad**, School of Architecture, REVA University
Venue: **A.V. Room 325**, Architecture Block
Dates: **11th March 2020**
Students: **45 Students**, 6th Semester, School of Architecture

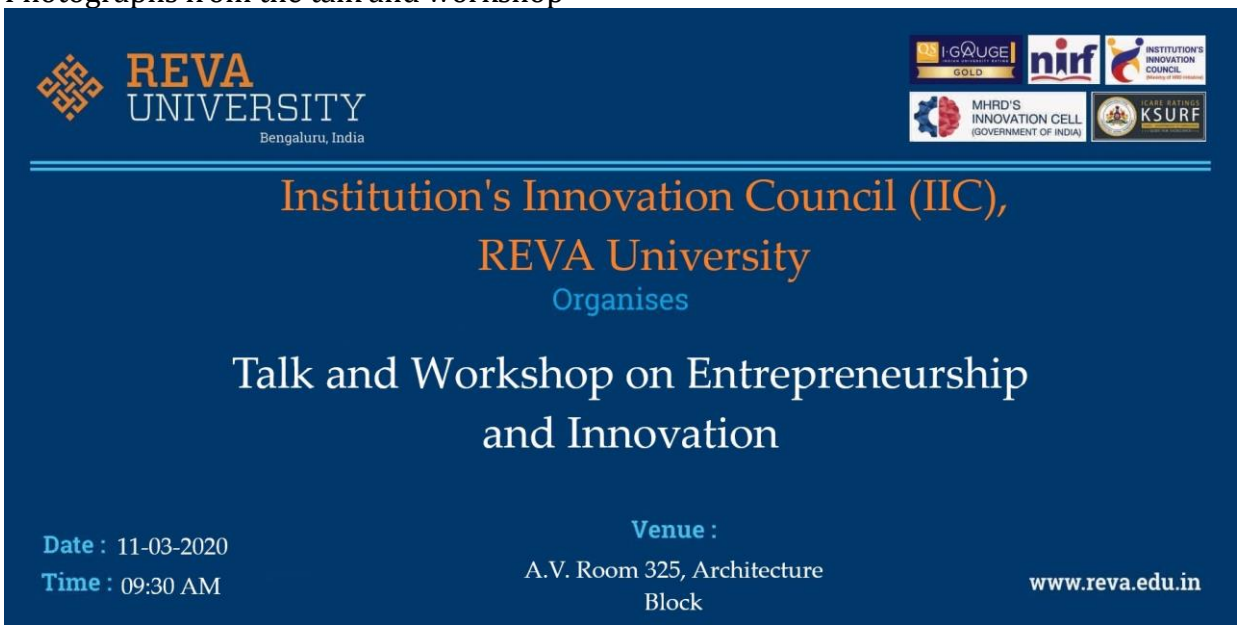
UIIC, IIC REVA University in association with, School of Architecture has organized and conducted a talk and workshop on Entrepreneurship and Innovation. 45 students from the 6th semester, School of Architecture have attended the season on 11th March 2020 and get aided from it.

The session on Entrepreneurship by Ms. Priya Menon, Founder, and CEO, Floral Charm was quite influential. She used colorful illustration instead of textual presentation to elaborate the concept for the talk to keep the audience's attention towards her. To make the session interactive and ensure student's participation, Ms. Priya referred to fiction writers and Fantasy movies. Methodically she was able to establish how fiction can inspire to make reality better and beautiful. As the students at this stage are not quite sure about the significance of entrepreneurship, start-ups, and innovation, Ms. Priya Menon's approach to reaching out to student's interests and metamorphically elaborate the significance of the session, was efficient.

Further, to bring a comprehensive understanding of Innovation and entrepreneurship, few hands-on exercises have been conducted. Students were divided into several groups and asked to come up with innovative ideas that can be transformed into a business model as a start-up. Student activity participated in the task and surprisingly came up with innovative ideas that have the potential for start-ups.

The Season was effective and sparked many budding architects to think like an entrepreneur & innovator. This would help the student in defining their carrier as well.

Photographs from the talk and workshop



Report on Demo day - Exhibition Cum Mentorship Session

Date: 12-03-2020

Venue: Amphitheater, C V Raman Block, REVA University

Organized By: IIC REVA University & School of ECE REVA University

The IIC REVA University & School of ECE, REVA University organized the Demo day - Exhibition Cum Mentorship Session on 12 March 2020. The Program was inaugurated by Dr Rajashekar Biradar, Director, School of ECE, REVA University.

Around 20 projects were demonstrated by the students and the external and internal judges interacted and evaluated the projects.

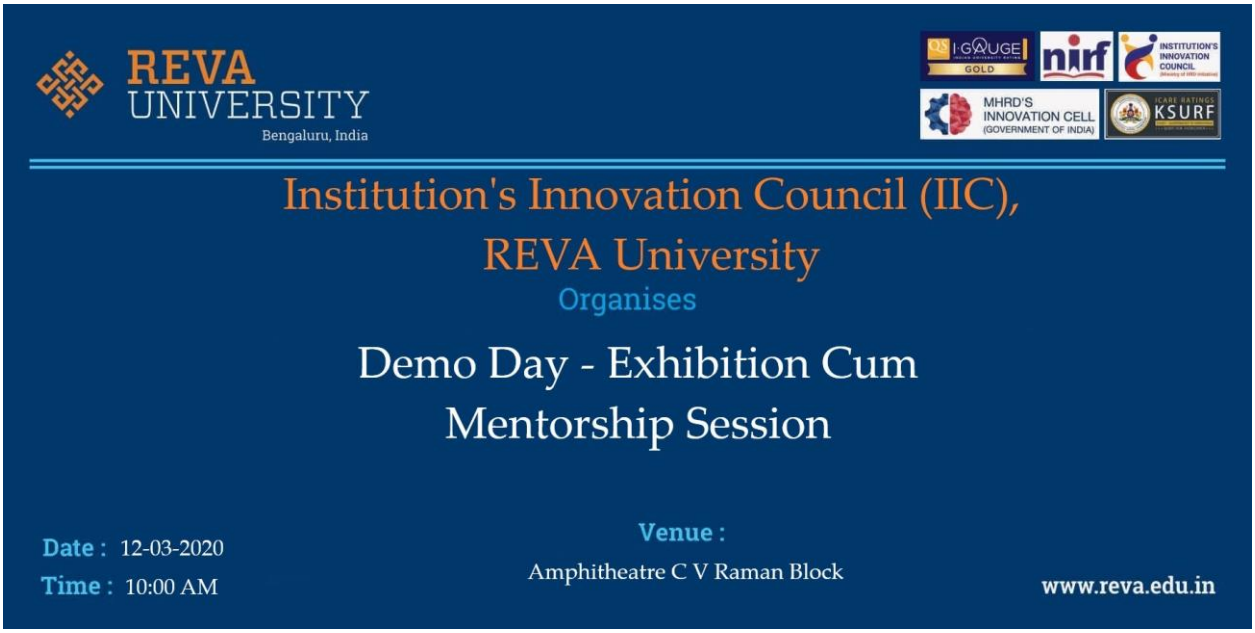
The program was organized by the School of ECE in association with IIC REVA University to imbibe creative thinking, innovation and project-based learning among the student community. The ECE students explored new ideas in the field of Electronics and communication engineering as a part of the project work and their performance was appreciated by the judges.

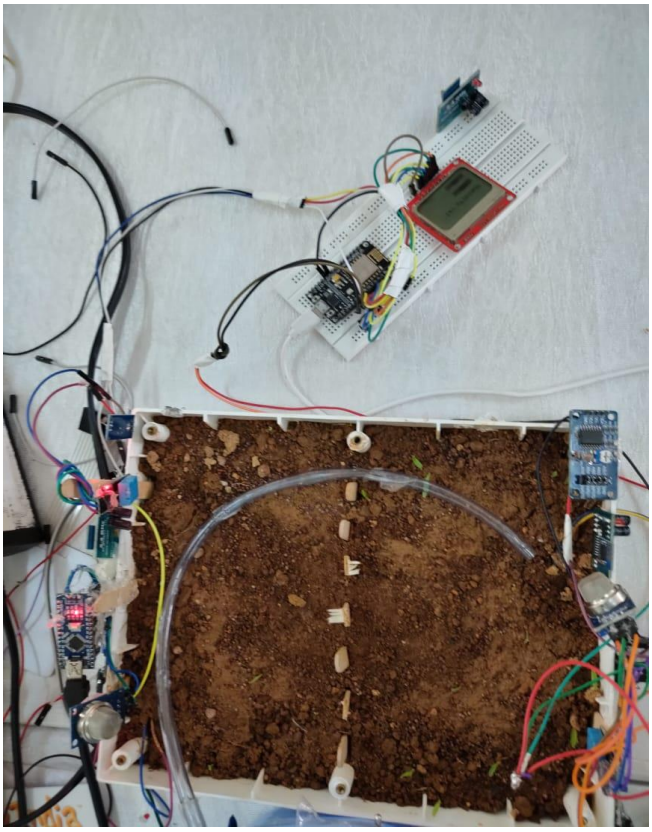
We would like to thank our Honorable Chancellor Dr. P. Shyama Raju for providing all facility and supporting to organize such events. We also thank Vice Chancellor Dr. S.Y. Kulkarni, Registrar Dr. M. Dhanamjaya for their kind support & encouragement in organizing this event. We would also like to thank Dr. Rajashekar Biradar, Director - School

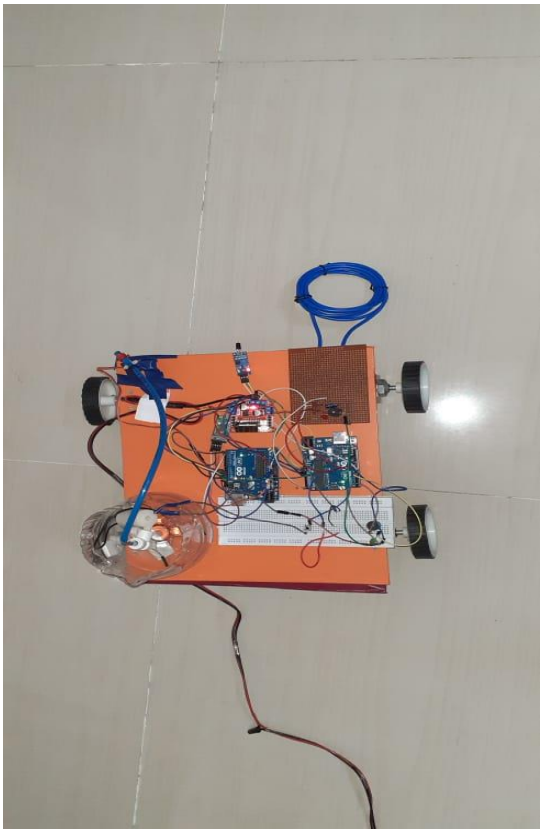
of ECE, Dr. Kiran Kumari Patil, President, IIC REVA University for providing all the facilities, support and encouragement towards organizing the event.

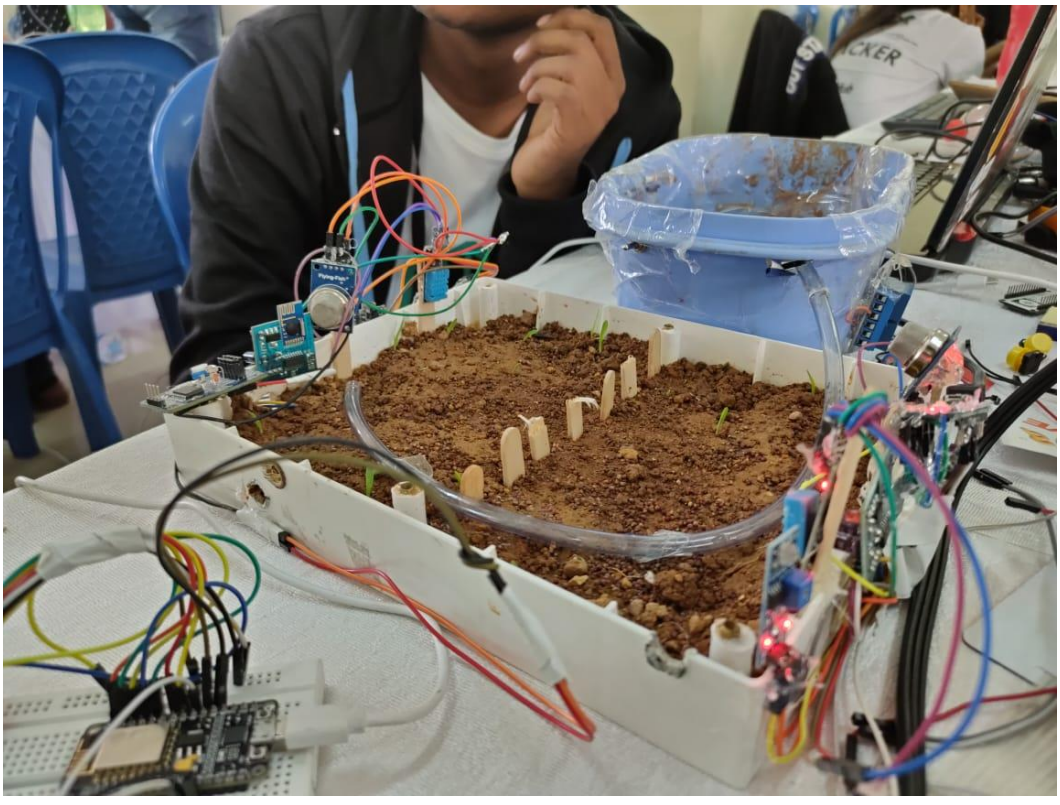
We thank the student coordinators and all the staff members involved for the successful conduction of the Programme.

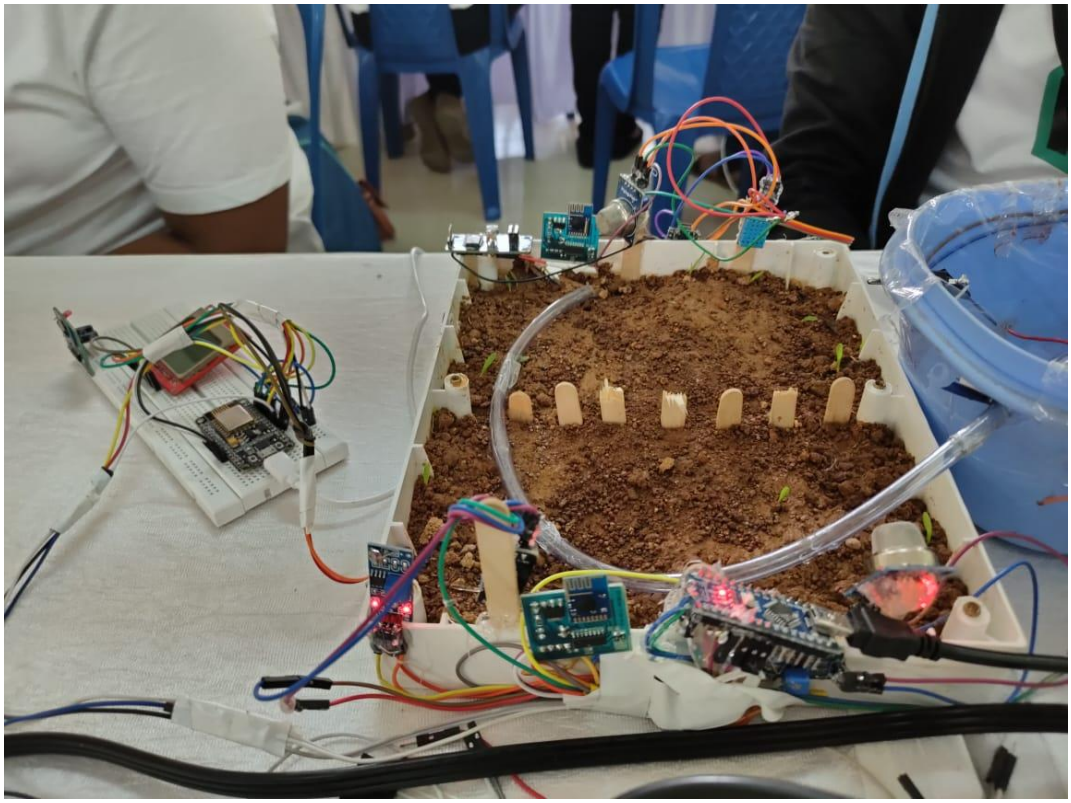
Photographs:











About the University

About REVA University has been established under the REVA University Act 2012 with the vision to instill awareness, a zeal for higher learning and direct curiosity through education. REVA University was conceptualized with a view to enable change; a revisualization of the present Indian academic scenario. It breathes and practices the ideology of taking education to greater heights by touching each learner.

The Founder of REVA University believe in the adage "Knowledge is Power'. Driven by this power of transforming lives, REVA thrives. Creating knowledge societies, building futures and imparting education. An involvement of this level, that REVA exhibits is complemented and enhanced by its environs, a colossal landscape blanketed over 45 acres of land that is a standing testimony to inspiring learning and fluid exchange of ideas.

The University prides itself in contributing to every student's holistic development. The University currently offers 33 full-time Under Graduate Programs, 24 full-time Post Graduate programs, 2 part-time Post Graduate programs.

About the Department:

The School of Electrical and Electronics Engineering established in the year 2004, offers BTech programs in two streams: Electrical & Electronics Engineering and Electrical & Computer Engineering,

MTech programs in Power Electronics and Power & Energy Systems and PhD Programs in Electrical and Electronics Engineering. An expert from industry having over two decades of experience heads the school as director and supported by a dedicated and well experienced faculty. Since inception, the school is active in applied research in multi-dimensional areas like power electronics, EV/HEV, battery management system, power systems, smart grid, energy conservation, RES like solar PV, wind generation, fuel cell and advanced energy storage systems. REVA University is collaborated with well reputed foreign Universities and signed more than twelve Memorandum of Understanding (MoU) for academics.

The school has been recognized as the backbone of the university due to research culture and publications in national and international journals of reputation such as IEEE transactions, Scopus indexed. A students association known as 'ELITE (Electrical Insight in Technical Endeavour) has been formed, which plays a significant role in the holistic development of students with high moral and ethical values.

About the Software Session:

- Demonstration on how to initiate a project and start modelling with different tools.
- To design with flexible modelling and solid modelling which is used for product design in the industry

Resource Persons:

Mr. Sunil Kumar A S, COO, CADCENTER IEE Bangalore

Ms. Tanushree, Tech-Expert, Bangalore

Who Can Attend the FDP?

The FDP is open for the all the faculties (EEE & Mechanical)

Registration

The registration will be done at the place venue.

Address for Communication/Registration

Prof. K Narayana Swamy
Associate Professor, EEE
Ph: 9448736750

Prof. Sagar B S
Assistant Professor, EEE
Ph: 8861638087

Email-id for registration:

sagar.bs@reva.edu.in

REGISTRATION FORM

Software awareness session

on

"Autodesk Fusion 360 software in association with CADCENTER IEEPL"

On

3rd February 2020

Name of the Participant:

……

Gender:

……..

Department:

……..

Name & Address of Institution:

……..

……

Address for Communication:

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……..

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Email ID……

Mobile: ……

Signature of the Applicant **Signature & Seal of the HOD/ Principal**

[Type here]

Chief Patrons

Dr. P Shyama Raju,
Hon'ble Chancellor, REVA University

Patrons

Dr. S Y Kulkarni,
Vice Chancellor, REVA University

Dr. M Dhanamjaya,
Registrar, REVA University

Program Coordinators

Prof. K Narayan swamy
Associate Professor, EEE, REVA University, Bangalore

Prof. Rajini H
Assistant Professor., EEE, REVA University, Bengaluru

MEMBERS

Prof. Nagesh B K
Associate Professor, EEE, REVA University, Bengaluru
Prof. A Gopinath C.
Assistant Professor., EEE, REVA University, Bengaluru
Prof. G Raghavendra
Assistant Professor, EEE REVA University, Bengaluru
Prof. Sudharani P
Assistant Professor, EEE REVA University, Bengaluru
Prof. Himabindu N
Assistant Professor, EEE REVA University, Bengaluru
Prof. Saahithi S
Assistant Professor, EEE REVA University, Bengaluru
Prof. Sujo Oommen
Assistant Professor, EEE REVA University, Bengaluru
Prof. Sagar B S
Assistant Professor, EEE REVA University, Bengaluru
Prof. Latha N.
Assistant Professor, EEE REVA University, Bengaluru
Prof. Santhosh Kumar.
Assistant Professor, EEE REVA University, Bengaluru
Prof. Doddabasappa
Assistant Professor, EEE REVA University, Bengaluru

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Software awareness session

on

"Autodesk Fusion 360 software in association with CADCENTER IEEPL"

On

3rd February 2020

Organized by

School of Electrical and Electronics Engineering

REVA University

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru, Karnataka 560064

Phone: 080 4696 6966

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School of Electrical and Electronics Engineering

School of Electrical and Electronics Engineering, REVA University, had conducted a software awareness session on Autodesk Fussion 360 software in association with CADCENTER IEEPL.

Entire session was headed by CADCENTER IEE COO, Mr. Sunilkumar A S and Tech-Expert Ms.Tanushree. Around 120 students from various sections attended the session. Students were given with software demonstration on Autodesk Fusion 360 and interacted very well about the industry applications of this software on the session. Sessions highlighted on:

- Demonstration on how to initiate a project and start modelling with different tools.
- To design with flexible modelling and solid modelling which is used for product design in the industry.

About the University

About REVA University has been established under the REVA University Act 2012 with the vision to instill awareness, a zeal for higher learning and direct curiosity through education. REVA University was conceptualized with a view to enable change; a revisualization of the present Indian academic scenario. It breathes and practices the ideology of taking education to greater heights by touching each learner.

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The University prides itself in contributing to every student's holistic development. The University currently offers 33 full-time Under Graduate Programs, 24 full-time Post Graduate programs, 2 part-time Post Graduate programs.

About the Department:

The School of Electrical and Electronics Engineering established in the year 2004, offers BTech programs in two streams: Electrical & Electronics Engineering and Electrical & Computer Engineering,

MTech programs in Power Electronics and Power & Energy Systems and PhD Programs in Electrical and Electronics Engineering. An expert from industry having over two decades of experience heads the school as director and supported by a dedicated and well experienced faculty. Since inception, the school is active in applied research in multi-dimensional areas like power electronics, EV/HEV, battery management system, power systems, smart grid, energy conservation, RES like solar PV, wind generation, fuel cell and advanced energy storage systems. REVA University is collaborated with well reputed foreign Universities and signed more than twelve Memorandum of Understanding (MoU) for academics.

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About the FDP Session:

- Introduction to Earthing and Neutral
- Case study on Earth faults in Industries
- Different ACSR Conductors
- Earthing for Transformers and Lighting Arresters
- Current transformer and Bus- Bar flashovers
- Application and operation of ELCB in single and three phase systems

Resource Persons:

Dr. Rajashekar P Mandi, Director,
School of EEE, REVA University

Who Can Attend the FDP?

The FDP is open for the all the faculties and Industry (EEE)

Registration

The registration will be done at the place venue.

Address for Communication/Registration

Prof. K Narayana Swamy
Associate Professor, EEE
Ph: 9448736750

Prof. Adithya Ballaji
Assistant Professor, EEE
Ph: 9738827023

Email-id for registration:

adithya.ballaji@reva.edu.in

REGISTRATION FORM

FDP session

on

"Application of Earthing Systems"

On

20th January 2020

Name of the Participant:

……

Gender:

……..

Department:

……..

Name & Address of Institution:

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……

Address for Communication:

……..

……..

……..

Email ID……

Mobile: ……..

Signature of the Applicant **Signature & Seal of the HOD/ Principal**

[Type here]

Chief Patrons

Dr. P Shyama Raju,
Hon'ble Chancellor, REVA University

Patrons

Dr. S Y Kulkarni,
Vice Chancellor, REVA University

Dr. M Dhanamjaya,
Registrar, REVA University

Program Coordinators

Prof. K Narayan swamy
Associate Professor, EEE, REVA University, Bangalore

Prof. Ananda M H
Assistant Professor., EEE, REVA University, Bengaluru

MEMBERS

Prof. Nagesh B K
Associate Professor, EEE, REVA University, Bengaluru
Prof. A Gopinath C.
Assistant Professor., EEE, REVA University, Bengaluru
Prof. G Raghavendra
Assistant Professor, EEE REVA University, Bengaluru
Prof. Sudharani P
Assistant Professor, EEE REVA University, Bengaluru
Prof. Himabindu N
Assistant Professor, EEE REVA University, Bengaluru
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Prof. Sujo Oommen
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Prof. Sagar B S
Assistant Professor, EEE REVA University, Bengaluru
Prof. Latha N.
Assistant Professor, EEE REVA University, Bengaluru
Prof. Santhosh Kumar.
Assistant Professor, EEE REVA University, Bengaluru
Prof. Doddabasappa
Assistant Professor, EEE REVA University, Bengaluru

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Established as per the section 2(f) of the UGC Act, 1956, Approved by AICTE, New Delhi

FDP session

on

"Application of Earthing Systems"

On

20th January 2020

Organized by

School of Electrical and Electronics Engineering

REVA University

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru, Karnataka 560064

Phone: 080 4696 6966

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School of Electrical and Electronics Engineering

School of Electrical and Electronics Engineering organized and conducted a FDP session on Application of Earthing Systems on 20th January, 2020 for the faculties of School of EEE. The FDP was conducted by Dr. Rajashekar P Mandi, Director, School of EEE, REVA University

Following topics were covered:
1. Introduction to Earthing and Neutral
2. Case study on Earth faults in Industries
3. Different ACSR Conductors
4. Earthing for Transformers and Lighting Arresters
5. Current transformer and Bus- Bar flashovers
6. Application and operation of ELCB in single and three phase systems

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About the FDP:

- Setting up of objective, outcome and mapping both
- Importance of market survey in preparing objectives
- Teaching and Learning process
- Delivery – Preparation of slides and questions
- Inference and Assessment
- Assessment tool – RUBRICS

Resource Persons:

Dr. Rajashekar P Mandi, Director, School of EEE, REVA University

Dr. B P Divakar, Dean, R & I, REVA University

Who Can Attend the FDP?

The FDP is open for the all the faculties

Registration

The registration will be done at the place venue.

Address for Communication/Registration

Prof. Burri Ankaiah
Assistant Professor, EEE
Ph: 9177917821

Prof. Raghu C N
Assistant Professor, EEE
Ph: 9844628735

Email-id for registration:

raghu.cn@reva.edu.in

REGISTRATION FORM

Faculty Development Program
On

"Outcome Based Teaching and Assessment"

On
08th January 2020

Name of the Participant:

……

Gender:
……..

Department:
……..

Name & Address of Institution:
……..
……

Address for Communication:
……..
……..
……..

Email ID……

Mobile: ……

Signature of the Applicant **Signature & Seal of the HOD/ Principal**

Chief Patrons

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Hon'ble Chancellor, REVA University

Patrons

Dr. S Y Kulkarni,
Vice Chancellor, REVA University

Dr. M Dhanamjaya,
Registrar, REVA University

Program Coordinators

Prof. Sagar B S
Assistant Professor, EEE, REVA University, Bangalore

Prof. Adithya Ballaji
Assistant Professor., EEE, REVA University, Bengaluru

MEMBERS

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Prof. Latha N.
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Prof. Santhosh Kumar.
Assistant Professor, EEE REVA University, Bengaluru
Prof. Doddabasappa
Assistant Professor, EEE REVA University, Bengaluru

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Faculty Development Program
On

"Outcome Based Teaching and Assessment"

On
08th January 2020

Organized by

School of Electrical and Electronics Engineering

REVA University
Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru, Karnataka 560064
Phone: 080 4696 6966

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School of Electrical and Electronics Engineering

School of Electrical and Electronics Engineering organized and conducted a session on Outcome Based Teaching and Assessment on 08th Januaryfor the faculties of School of EEE. The FDP was carried out in two sessions, Session – 1 was conducted by Dr. Rajashekar P Mandi, Director, School of EEE, and Session – 2 by Dr. B P Divakar, Dean, R & I, REVA University.

The FDP focused on the following key points in session -1:

1. Introduction on transformers
2. Basic Electric Parameter
3. Power Quality Parameter
4. Quantitative Parameter
5. Inter-turn Faults

The FDP focused on the following key points in session -2:

1. Setting up of objective, outcome and mapping both
2. Importance of market survey in preparing objectives
3. Teaching and Learning process
4. Delivery – Preparation of slides and questions
5. Inference and Assessment
6. Assessment tool – RUBRICS

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- Importance of market survey in preparing objectives
- Teaching and Learning process
- Delivery – Preparation of slides and questions
- Inference and Assessment
- Assessment tool – RUBRICS

Resource Persons:

Dr. Rajashekar P Mandi, Director, School of EEE, REVA University

Who Can Attend the FDP?

The FDP is open for the all the faculties

Registration

The registration will be done at the place venue.

Address for Communication/Registration

Prof. Mahesh Kumar
Assistant Professor, EEE
Ph: 8971327809

Prof. Raghu C N
Assistant Professor, EEE
Ph: 9844628735

Email-id for registration:

raghu.cn@reva.edu.in

REGISTRATION FORM

One Day Seminar

On

"Electrical safety, electrical accidents and safety precautions"

On

21st January 2020

Name of the Participant:

……

Gender:

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Department:

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Name & Address of Institution:

……..

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Address for Communication:

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Email ID……

Mobile: ……

Signature of the Applicant **Signature & Seal of the HOD/ Principal**

Chief Patrons

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Patrons

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Dr. M Dhanamjaya,
Registrar, REVA University

Program Coordinators

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Prof. Mahesh Kumar
Assistant Professor., EEE, REVA University, Bengaluru

MEMBERS

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Assistant Professor, EEE REVA University, Bengaluru

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One Day Seminar

On

"Electrical safety, electrical accidents and safety precautions"

On

21st January 2020

Organized by

School of Electrical and Electronics Engineering

REVA University

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru, Karnataka 560064

Phone: 080 4696 6966

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School of Electrical and Electronics Engineering

The School of EEE had organized an expert lecture by Dr. Rajashekar P Mandi, Director, School of EEE, REVA University. He is a BEE certified energy auditor with vast industrial experience. The talk was related to electrical safety, electrical accidents and safety precautions.

Talk focused on the following key points:

1. Importance of Electrical safety.
2. Hazards of electricity and precautions to overcome the hazards.
3. Electrical safety standards and rules.
4. Case studies from industry.
5. Importance of earthing

Outcomes of the technical talk:

1. The importance of electrical safety in the lives of every human being.
2. With this session students were able know different courses related to electrical safety along with job opportunities and Certifications
3. Students were able to understand the live electrical accidents and case studies of industries related to electrical safety
4. Gain the knowledge about Indian Electricity rules and standards related to electrical safety

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About the FDP:

- Importance of Programming.
- About Object Oriented Programming.
- Importance of Java for industry.
- Tips on question asked in interviews.

Resource Persons:

Dr. Vishwanath R Hulipalled, Professor School of Computing and Information Technology, Deputy Director R&I Council

Who Can Attend the FDP?

The FDP is open for the all the faculties

Registration

The registration will be done at the place venue.

Address for Communication/Registration

Prof. Adithya Ballaji
Assistant Professor, EEE
Ph: 9738827023

Prof. Sagar B S
Assistant Professor, EEE
Ph: 8861638087

Email-id for registration:

sagar.bs@reva.edu.in

REGISTRATION FORM

One Day Seminar

On

"Programming in Java"

On

13th February 2019

Name of the Participant:

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Gender:

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Department:

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Name & Address of Institution:

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Address for Communication:

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Email ID……

Mobile: ……

Signature of the Applicant **Signature & Seal of the HOD/ Principal**

Chief Patrons

Dr. P Shyama Raju,
Hon'ble Chancellor, REVA University

Patrons

Dr. S Y Kulkarni,
Vice Chancellor, REVA University

Dr. M Dhanamjaya,
Registrar, REVA University

Program Coordinators

Prof. Anil Kumar D B
Associate Professor, EEE, REVA University, Bangalore

Prof. Doddabasappa N
Assistant Professor., EEE, REVA University, Bengaluru

MEMBERS

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Associate Professor, EEE, REVA University, Bengaluru
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One Day Seminar

On

"Programming in Java"

On

13th February 2019

Organized by

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School of Electrical and Electronics Engineering

The School of EEE had organized an Seminar on on Programming in Java on 13th February, 2019 between 10:30 AM to 11:50 PM in Room No.310, 3rd floor, C V Raman Block for 6th semester B.Tech Students. Dr. Vishwanath R Hulipalled, Professor School of Computing and Information Technology, Deputy Director R&I Council was the resource person.

The following are the key points:
1. Importance of Programming.
2. About Object Oriented Programming.
3. Importance of Java for industry.
4. Tips on question asked in interviews.

All the students were very happy as they learnt the importance of Object-Oriented Programming. The importance of Java in industry was highlighted. The students also learnt how to use some of the concepts of Object-Oriented Programming in developing the software. Some tips on questions that can be asked in interviews were also given. He also gave an insight into the various job opportunities.

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About the FDP:

- Capacitor and Filter
- What is meant by power quality
- Reactive Power Fundamentals
- Voltage Stability
- Vacuum Impregnation
- How to remove moisture

Resource Persons:

Sri. Shivendra Kumar CM, VP, PGM, ABB Ltd, India

Who Can Attend the FDP?

The FDP is open for the all the faculties (EEE & ECE)

Registration

The registration will be done at the place venue.

Address for Communication/Registration

Prof. Sujo Oommen
Assistant Professor, EEE
Ph: +91 81977 01725

Prof. Adithya Ballaji
Assistant Professor, EEE
Ph: +91 9738827023

Email-id for registration:

adithya.ballaji@reva.edu.in

REGISTRATION FORM

Faculty Development Program

on

"Capacitor Technology"

on

23rd February 2019

Name of the Participant:

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Gender:

……..

Department:

……..

Name & Address of Institution:

……..

……

Address for Communication:

……..

……..

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Email ID……

Mobile: ……..

Signature of the Applicant **Signature & Seal of the HOD/ Principal**

Chief Patrons

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Patrons

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Dr. M Dhanamjaya,
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Faculty Development Program

on

"Capacitor Technology"

on

23rd February 2019

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School of Electrical and Electronics Engineering

The School of EEE had organized a FDP on “Capacitor Technology" on 23rd February, 2019 between 10:30 AM to 01:30 PM in Kalpana Chawla, Seminar Hall, C V Raman Block for the faculty and students of School of EEE
The FDP was conducted by Sri. Shivendra Kumar CM, VP, PGM, ABB Ltd, India.

The FDP focused on the following key points:
1. Capacitor and Filter
2. What is meant by power quality
3. Reactive Power Fundamentals
4. Voltage Stability
5. Vacuum Impregnation
6. How to remove moisture

Following are the outcomes achieved:
1. Understanding of Capacitor and Filter
2. Concept of power quality and its role in transmission of power
3. Understanding of Reactive Power Fundamentals
4. Importance of Voltage Stability
5. How important is Vacuum Impregnation

About the University

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The Founder of REVA University believe in the adage "Knowledge is Power'. Driven by this power of transforming lives, REVA thrives. Creating knowledge societies, building futures and imparting education. An involvement of this level, that REVA exhibits is complemented and enhanced by its environs, a colossal landscape blanketed over 45 acres of land that is a standing testimony to inspiring learning and fluid exchange of ideas.

The University prides itself in contributing to every student's holistic development. The University currently offers 33 full-time Under Graduate Programs, 24 full-time Post Graduate programs, 2 part-time Post Graduate programs.

About the Department:

The School of Electrical and Electronics Engineering established in the year 2004, offers BTech programs in two streams: Electrical & Electronics Engineering and Electrical & Computer Engineering,

MTech programs in Power Electronics and Power & Energy Systems and PhD Programs in Electrical and Electronics Engineering. An expert from industry having over two decades of experience heads the school as director and supported by a dedicated and well experienced faculty. Since inception, the school is active in applied research in multi-dimensional areas like power electronics, EV/HEV, battery management system, power systems, smart grid, energy conservation, RES like solar PV, wind generation, fuel cell and advanced energy storage systems. REVA University is collaborated with well reputed foreign Universities and signed more than twelve Memorandum of Understanding (MoU) for academics.

The school has been recognized as the backbone of the university due to research culture and publications in national and international journals of reputation such as IEEE transactions, Scopus indexed. A students association known as 'ELITE (Electrical Insight in Technical Endeavour) has been formed, which plays a significant role in the holistic development of students with high moral and ethical values.

About the FDP:

- Introduction to High voltage
- System Voltage – Nominal Voltage and High Voltage level
- Types of over voltage based on its origin
- Introduction to Corona
- Effects of Corona Discharge in Power System
- Merits and Demerits of Corona Discharges
- Exploration of new type Conductors and Insulators for HV Transmission System.
- Practical portraits on different High Voltage Equipment with Lightning and Corona effects.

Resource Persons:

Dr. K. N. Ravi, Former Joint Director, CPRI and Head of the Department, Saptagiri College of Engineering

Who Can Attend the FDP?

The FDP is open for the all the faculties (EEE & ECE)

Registration

The registration will be done at the place venue.

Address for Communication/Registration

Prof. Pavan B
Assistant Professor, EEE
Ph: 8792470049

Prof. Burri Ankaiah
Assistant Professor, EEE
Ph: 9177917821

Email-id for registration:

pavan.b@reva.edu.in

REGISTRATION FORM

Faculty Development Program
on

"Introduction to High Voltage Engineering and Effects of CORONA Discharge in Power System"

On
05th March 2019

Name of the Participant:

……

Gender:
……..

Department:
……..

Name & Address of Institution:

……..
……

Address for Communication:

……..
……..
……..

Email ID……

Mobile: ……

Signature of the Applicant **Signature & Seal of the HOD/ Principal**

Chief Patrons

Dr. P Shyama Raju,
Hon'ble Chancellor, REVA University

Patrons

Dr. S Y Kulkarni,
Vice Chancellor, REVA University

Dr. M Dhanamjaya,
Registrar, REVA University

Program Coordinators

Prof. K Narayan swamy
Associate Professor, EEE, REVA University, Bangalore

Prof. Adithya Ballaji
Assistant Professor., EEE, REVA University, Bengaluru

MEMBERS

Prof. Nagesh B K
Associate Professor, EEE, REVA University, Bengaluru
Prof. A Gopinath C.
Assistant Professor., EEE, REVA University, Bengaluru
Prof. G Raghavendra
Assistant Professor, EEE REVA University, Bengaluru
Prof. Sudharani P
Assistant Professor, EEE REVA University, Bengaluru
Prof. Himabindu N
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Prof. Saahithi S
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Prof. Sujo Oommen
Assistant Professor, EEE REVA University, Bengaluru
Prof. Sagar B S
Assistant Professor, EEE REVA University, Bengaluru
Prof. Latha N.
Assistant Professor, EEE REVA University, Bengaluru
Prof. Santhosh Kumar.
Assistant Professor, EEE REVA University, Bengaluru
Prof. Doddabasappa
Assistant Professor, EEE REVA University, Bengaluru

REVA UNIVERSITY
Bengaluru, India
Established as per the section 2(f) of the UGC Act, 1956, Approved by AICTE, New Delhi

Faculty Development Program
on

"Introduction to High Voltage Engineering and Effects of CORONA Discharge in Power System"

On
05th March 2019

Organized by

School of Electrical and Electronics Engineering

REVA University
Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru, Karnataka 560064
Phone: 080 4696 6966

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School of Electrical and Electronics Engineering

The School of EEE had organized seminar on "Introduction to High Voltage Engineering and Effects of CORONA Discharge in Power System" on 05th March, 2019 between 02:30 PM to 04:30 PM in KALPANA CHAWLA SEMINAR Hall for B.Tech 6th Semester students.

The seminar on was delivered by Prof. Dr. K. N. Ravi, Former Joint Director, CPRI and Head of the Department, Saptagiri College of Engineering.

The lecture was focused on the following key points:
1. Introduction to High voltage
2. System Voltage – Nominal Voltage and High Voltage level
3. Types of over voltage based on its origin
4. Introduction to Corona
5. Effects of Corona Discharge in Power System
6. Merits and Demerits of Corona Discharges
7. Exploration of new type Conductors and Insulators for HV Transmission System.
8. Practical portraits on different High Voltage Equipment with Lightning and Corona effects.

Following are the outcomes achieved:

1. Students will be able to understand the importance of High Voltage engineering.
2. Explain about system voltage – Nominal Voltage, Higher Voltage and their types based on origin.
3. Understand the concepts of Corona Formation and Corona Discharges in High Voltage Power Transmission System.
4. Need of testing High Voltage Equipment for finding Partial Discharge (PD), Radio Interferences (RI) and Pollution during Corona Discharges.
5. Know the advancements happening in design of High Voltage Insulators and Conductors.

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About the Seminar:

- Electrical circuit theory covering Kirchhoff's laws and theorems
- Real time application development such as control systems
- Power converter

Resource Persons:

Sri. Nagaraj Hediyal, eNLiven Technologies PVT. Ltd, Bangalore

Who Can Attend the FDP?

The FDP is open for the all the faculties (EEE & ECE)

Registration

The registration will be done at the place venue.

Address for Communication/Registration

Prof. K Narayana Swamy
Associate Professor, EEE
Ph: 9448736750

Prof. Nethra K
Assistant Professor, EEE
Ph: +91 99641 54642

Email-id for registration:

nethra.k@reva.edu.in

REGISTRATION FORM

Seminar
On

"Application of circuit theory to real practical system design and development-Case study"

On
23rd September 2019

Name of the Participant:

……

Gender:
……..

Department:
……..

Name & Address of Institution:

……..
……

Address for Communication:

……..
……..
……..

Email ID……

Mobile: ……..

Signature of the Applicant **Signature & Seal of the HOD/ Principal**

[Type here]

Chief Patrons

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Seminar
On

"Application of circuit theory to real practical system design and development-Case study"

On
23rd September 2019

Organized by

School of Electrical and Electronics Engineering

REVA University

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru, Karnataka 560064

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School of Electrical and Electronics Engineering

The School of EEE had organized seminar on "Application of circuit theory to real practical system design and development-Case study" on 23rd September 2019 for 3rd semester A, B, C, D section students (Opted ECT as hard core).

The seminar was conducted by Sri. Nagaraj Hediyal, eNLiven Technologies PVT. Ltd, Bangalore.

The Seminar focused on the following key points:
1. Electrical circuit theory covering Kirchhoff's laws and theorems
2. Real time application development such as control systems
3. Power converter

Following are the outcomes achieved:
1. Able to apply Voltage division rule
2. Able to apply Kirchhoff's laws
3. Application of Thevenin's and maximum power transfer theorem
4. Industrial practical product case study was done based on above points

REVA UNIVERSITY
Bengaluru, India

Rukmini Knowledge Park, Kattigenahalli, Yelahanka, Bengaluru – 560064

SCHOOL OF LEGAL STUDIES

Report on Faculty Development Programme held from 22 July 2019 to 28 July 2019

Introduction

The School of Legal Studies organized the Seven Day FDP on Enhancing Teaching, Learning and Research Capabilities of Faculty organized by School of Legal Studies, REVA University from 22nd July 2019 to 28th July 2019. The Faculty Development programme was inaugurated by Chief Guest Prof.Dr. Sai Ram Bhat Professor of Law, National Law School of India University, Bangalore, in the august presence of Hon'ble Vice Chancellor Prof. Dr. S.Y. Kulkarni and SOLS Director Prof.Dr. Bharathi. S at 9:30 am in the K S Hegde seminar hall at the Vivekananda block.

The FDP witnessed legal luminaries from NLSIU Bangalore, Vivekananda Law College Bangalore, SRM Chennai, ULC Bangalore, University of Mysore and Christ University amongst many other delivering expert lectures ranging from challenges in teaching law and new prospects of legal research to improving communication skills of faculty

Day	Date	Resource Person & Topic	Session	Impact
1	22-7-2019	**Prof. Dr. Sairam Bhat,** Professor of Law, National Law School of India University, Bengaluru **Topic:-** Contemporary challenges in teaching law	Morning (10:00 am to 12:30am)	• In this session on 'Contemporary Challenges in Law' he stressed the need of reinventing ourselves through reflective thinking. The discourse focused on the importance of teachers' foresight regarding students' future. According him, the teaching should concentrate on what we want our students to become. The relevance of practical knowledge in law for teachers was discussed too. In addition to providing information on project proposals, the discussion also ended up in stressing importance of MCQs in examinations as most of competent examinations are in MCQ format. • He focused on various challenges faced by the teaching faculties in providing effective teaching.
1	22-7-2019	**Dr. K.B. Kempe Gowda,** Principal, Vivekananda College of Law, Bengaluru **Topic:-** Philosophical perspective in teaching law. Importance of clinical legal education	Afternoon (1:30 pm to 4:00pm)	• In his session on 'Philosophical perspective in teaching law' and 'Importance of clinical legal education' highlighted the importance of interdisciplinary knowledge in teaching law and delivered exemplary examples of the interconnection between law and other disciplines such as history, Indian epics, poetry, theatre etc. The latter part of the discussions focused on the need for clinical legal education and the importance of the same in moulding students' career in law. His Presentation was real insightful
2	23-7-2019	**Dr. Divakar B.P, Dean** Research & Innovation Council, REVA University **Topic:-** ffective Research	Morning (10:00 am to 12:30am)	• In his session on 'Effective research' emphasized the importance of research by stressing on the components of research with specific focus on research methodology and ethics in research. It was most interesting and inspiring to learn about effective research
2	23-7-2019	**Dr. Nagaraja V.,** Professor, School of Legal Studies, REVA University, Bengaluru. **Topic:-** Academic Values and Professionalism in education	Morning (10:00 am to 12:30am)	• This session disclosed on 'The Academic values and professionalism in education' spoke on the relevance of maintaining academic and personal discipline in teaching. The core of his discussion focused on how effectively a teacher can be a role model for the students.
2	23-7-2019	**Prof. Jayanthi Bai H. L,** Assistant Professor, Christ University, Bengaluru. **Topic:-** Efficacy of students learning on the	Afternoon (1:30 pm to 4:00pm)	• This session on 'Efficacy of students learning on the relationship between student and teacher' focused on making teaching more lively and interesting and stressed on the importance of the famous saying. "The great aim of education is not knowledge, but action".

		relationship between student and teacher		
3	24-7-2019	**Dr. Mallikarjunaiah J. M,** Principal, KLE Law College, Bengaluru. **Topic:-** Learner centered teaching	Morning (10:00 am to 12:30am)	• The core of his lecture focused upon the learner centric teaching which is the need of the hour now. He explained how the teacher has to conduct himself in the classroom as a 'facilitator' and not as a spoon feeder to the student. The focus of the teaching should put learners interest first and should know what to teach and keep himself updated with the contemporary topics/ subjects. • It was both informational and inspirational about learner entered teaching
3	24-7-2019	**Dr. Basanagouda B. Ballari,** Associate Professor, Rajivgandhi Law College, Bengaluru **Topic:-** Importance of internship for law students is more appropriate in the present context	Afternoon (1:30 pm to 4:00pm)	• In this session 'Importance of internship for law students' discussed the importance of making co-curricular activities such as moot and internships part of the curriculum. He took the entire team of participants through various provisions of the BCI rules and Advocates Act so as to provide thorough understanding on the importance of internships for students in the current legal scenario. • More appropriate in the present context was truly passionate about he does and that itself is attractive

4	25-7-2019	**Dr. Jagadeesh G. R,** Principal,CBR National College of Law, Shimoga. **Topic**:- How to teach constitutional law effectively	Morning (10:00 am to 12:30am)	• This session gave us an insight into the difference between constitution and constitutionalism and more stress was given upon judicial review, over restraint and overreach. The speaker discussed about the historical perspective of the constitutional law and how constitutional assembly debates can be used in interpreting the constitution. • The main heads discussed were the importance of constitutional law, constitution as a basic source for other statutes, the meaning of state, importance of constitution to be taught in other courses as well and many more in the list. Programmes like FDP are to enhance the teaching skills of faulty and to provide a better understanding of the concept. We learnt how to reduce the dryness of some topics in constitution by connecting it to the other interesting streams like environment law, company law, law of contract etc.
4	25-7-2019	**Dr. Maazuddin Khan,** Commissioner, Urban Development Authority, Kolar/ Chamarajnagar. **Topic:-** Impact of	Afternoon (1:30 pm to 4:00pm)	• This session focused upon the impact of behaviour on transfer of knowledge among the students. The session was quite interactive and activity based in which the importance of communication skills were highlighted.

		behaviour on transfer of Knowledge		
5	26-7-2019	**Dr. Mahesha M.**, Professor of Economics, Department of Economics. Manasagangotri, Mysuru. **Topic:-** Research Methodology	Morning (10:00 am to 12:30am)	• The session enlighten un on 'Research Methodology' taught the participants regression analysis and the effectiveness of its usage in research with real life illustrations such as 'sex discrimination in salaries'. The discussions on 'sampling techniques' and 'the use of dependent and independent variables' proved very effective to those who are pursuing research, not just in Law, but also in Political Science, Management and Sociology. • It also helped to understand and think about appropriate in writing papers
5	26-7-2019	**Dr. M.K. Ramesh**, Professor of Law, National Law School of India University, Bengaluru. **Topic:-**Teaching and Research – ever expanding horizons	Afternoon (1:30 pm to 4:00pm)	• The session on 'Teaching and Research: Ever Expanding Horizons' made it clear that law itself is a teacher and hence law cannot be considered merely as a discipline. The lecture made it clear that law deals with human emotions and human misbehaviours. The discussion also focused on highlighting the importance of literature in learning with a very strong example of a famous work of Richard Bach titled 'Jonathan Livingston Seagull'. • He stressed upon myths of law teaching, several methods of teaching where he emphasised upon the origin of Socratic method
				and related to the traditional Indian method. He threw light upon various new methods that would help budding professionals in teaching career.
6	27-7-2019	**Dr. Jyothi Vishwanath,** University Law College, Bangalore University, Bangaluru. **Topic:-** Application of case laws for the interpretation of statutory provisions	Morning (10:00 am to 12:30am)	• In her session on 'Application of case laws for the interpretation of statutory provisions' concentrated on case laws and reasoning provided by the judges in the case laws for making the participants get a better perspective of statutory interpretations.
6	27-7-2019	**Dr. Nancy Prasanna Joseph,** Assistant Professor, Dept. of Career Development, SRM Institute of Science and Technology, Chennai **Topic:-** Communication skills for teachers	Afternoon (1:30 pm to 4:00pm)	• Dr. Nancy Prassanna Joseph concentrated on 'Communication skills for teachers' and made it very clear that teaching is all about effective communication and the LSRW meaning listening, speaking, reading and writing are the effective areas in which one should focus to be a better teacher. • It was an extremely informative, thoughtful, enjoyable and valuable session to put some of the techniques i had learned into practice. It really motivated me to change my approach to classroom

				management
7	28-7-2019	**Dr. Rangasamudra N. Kumar,** Director, Spoorthy Performance Solutions, Bengaluru. **Topic:-** Impact on student academic performance through competency mapping	Morning (10:00 am to 12:30am)	• The resource person spoke about the importance of one's vision and foresight on transforming a student to a learned adult ready enough to face the challenges of the dynamic society. His lecture persuaded the participants to ask themselves answers to 'how do we know self', 'how do we manage difficult people', etc.

PHOTOS OF FACULTY DEVELOPMENT PROGRAMMES

Prof. Dr. Sairam Bhat

Dr. K.B. Kempe Gowda

Dr. Divakar B.P

Dr. Nagaraja V.

Prof. Jayanthi Bai H L

Dr. Mallikarjunaiah

Dr. Basanagouda B. Ballari

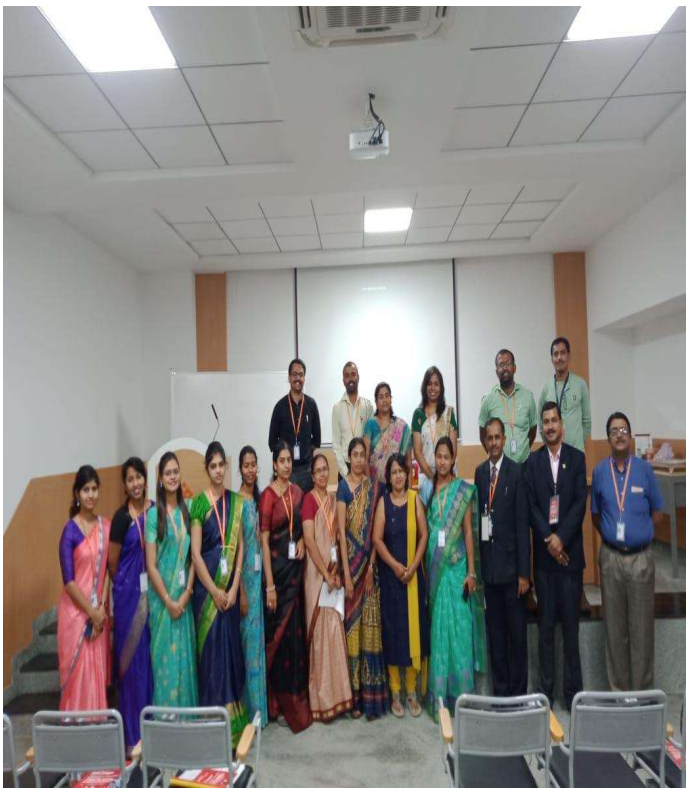
Dr. Jagadesh

Dr. Mazuddin Khan

Dr. Mahesh M

Dr. M.K. Ramesh

Dr. Jyothi Vishwanath



Dr. Nancy Prasanna Joseph

Dr. Rangasamudra N.

Registrar
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Vice-Chancellor
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