WORKSHOPS CONDUCTED (2013 - 2014)	
Title:	**GIGATECH-13**
Date and year:	6th August 2013
Venue:	Parvatibai Chowgule College
Resource person/s:	Mr. Ramarao Wagh, Associate Professor from Department of Computer Science & Technology, Goa University
No. of Participants	11
Objective:	Gigatech is Goa Inter College IT Quiz Event. This IT Quiz is organized by Parvatibai Chowgule College. Four rounds of events viz., Written Test, Audio-Visual, Buzzer and Rapid Fire rounds were conducted.
Summary of the proceedings	**Gigatech'13** an all Goa Inter Collegiate IT Quiz Event was conducted on 6th August '13. B.Sc computer science and BCA students from 15 colleges across Goa participated in the full day event. Our principal Dr. R.V. Gaonkar was the chief guest of the inaugural function and Mr. Ramrao Wagh, Associate Professor, from Department of Computer Science & Technology, Goa University was the chief guest of the Valedictory function. Four rounds of events viz., Written Test, Audio-Visual, Buzzer and Rapid Fire rounds were conducted. Finally the winner of Gigatech '13 was Rosary College of Commerce & Arts, Margao and Runner up was Don Bosco College, Panaji, Goa.
Photographs	
Title:	**Robotics/ Advanced Robotics**
Date and year:	4th to 9th November 2013, 16th November 2013

Venue:	Computer Science Lab
Resource person/s:	Mr. Abhishek Gudekar, Assistance professor
No. of Participants	20
Objective:	Topics such as binary number system, cryptography, algorithms, flowcharts, introduction to Microcontroller, LCD.
Summary of the proceedings	The workshop was organized by Tiger School. Mr. Abhishek Gudekar, Assistance professor from Computer Science Department conducted the workshop and he was assisted by Castor Godinho, a student from S.Y.B.Sc Computer Science. This workshop was for 8th and 9th standard school students. In these workshop topics such as binary number system, cryptography, algorithms, flowcharts, introduction to Microcontroller, LCD, along with hands on training were covered.
Photographs	NA
Title:	**Android Application Development Workshop**
Date and year:	30/10/2013
Venue:	Computer Science Lab
Resource person/s:	Mr.Anay Kamat
No. of Participants	20
Objective:	Introduction of ANDROID Development Software. It was conducted to brief on what is android technology and how they will be building interesting applications effectively.
Summary of the proceedings	It was attended by the students of TYBSc and MSC IT of Computer Science Department. The session started with introduction of ANDROID Development Software. The students were given a brief lecture on what is android technology and how they will be building interesting applications effectively. The application was built on Android Studio. The student could build interactive apps like 'Image Viewer' and 'SMS Application'. Mr.Anay showed how to transfer the application on their android smartphone and the students were able to experience actual working application. Overall the workshop was a success and students gained experience in Application Development.

Photographs	NA
Title:	**INVENT-O-PI**
Date and year:	16th and 17th December, 2013
Venue:	Computer Science Lab
Resource person/s:	Mr Pranav Pai Vernekar and Mr. Dattaram
No. of Participants	30
Objective:	Introduced the Raspberry pi technology and the history of raspberry pi. Pi gives a chance to learn the working of a computer and the components of Raspberry pi were explained in detail
Summary of the proceedings	40 students from S.Y.B.Sc, T.Y.B.Sc, PGDCA & M.Sc IT Part I attended the workshop. Students learnt about Embedded Linux Programming and Peripheral Interfacing for a Raspberry Pi platform. They also learnt to perform various basic hands on experiments on the GPIO pins (general purpose I/O) such as O/P control, receiving the sensor input, Interfacing I/O devices such as LEDs, LCDs etc. The participants also learnt to Interface the Wissap wireless sensor as well as controlling a Robot over the Internet & Mobile.
Photographs	NA
Title:	**Joomla Frameworks**
Date and year:	24th August 2013
Venue:	Computer Science Lab
Resource person/s:	Mr. Dinesh Rivankar, Senior Software Engineer, M/S. Persistent Systems, Verna, Goa
No. of Participants	25
Objective:	Introduced the basic concepts of Object Oriented Programming. To design an interactive website in a very simple and fastest way.

Summary of the proceedings	A one day workshop on "Joomla Frameworks" (Content Management system) was held on 24h August 2013.Around 25 students from M.Sc (IT) part II, T.Y.B.Sc and S.Y.B.Sc participated in the workshop.
Photographs	

WORKSHOPS CONDUCTED (2014 - 2015)

Title:	**Hour Of Code**
Date and year:	10th December , 2014
Venue:	Computer Science Lab
Resource person/ s:	Dr. Sameena Falleiro, Assistant Professor,
No. of Participants	34
Objective:	Introduction about Scratch to the school students. Basic idea about how Scratch Programming works. They were taught Scratch Programming.
Summary of the proceedings	HOC is a part of global initiative to motivate learners to study computer programming. It is part of Computer Science Education Week, December 8-14, and aims to introduce more than 10 million students of all ages to the basics of coding, and to underscore the critical role of computing in all careers. Altogether 29 school students of classes 5th and 6th Std from 5 schools in the nearby vicinity participated in this programme. They were taught Programming Logics using **SCRATCH** software tool for the Hour Of Code.

Photographs		

WORKSHOPS CONDUCTED (2014 - 2015)

Title:	**SCALA**
Date and year:	11th Jan 2015
Venue:	Computer Science department Lab
Resource person/s:	Mr. Ramrao Wagh, Associate Professor, Department of Computer Science and Technology, Goa University.
No. of Participants	27
Objective:	Object- Functional programming language called 'SCALA'
Summary of the proceedings	On 11th January 2015, the Department of Computer Science conducted a workshop for the students of T.Y B.Sc. and M. Sc IT on a programming language called 'SCALA'. Nine students from T.Y.B. Sc and 18 students from M. Sc IT as well as the faculty attended this workshop. The resource person for the workshop was Prof. Ramrao Wagh of Goa University.
Photographs	
Title:	**Internet Of Things(IOT)**
Date and year:	23rd & 24th Jan 2015
Venue:	Computer Science department Lab
Resource person/s:	A two member team from M/S. Inventrom Robotics, Panjim

No. of Participants	50
Objective:	The Internet of Things (IoT) is a scenario in which objects, animals or people are provided with unique identifiers and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction.
Summary of the proceedings	The Internet of Things (IoT) is a scenario in which objects, animals or people are provided with unique identifiers and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction. Analysts estimate that 50 billion devices will get connected to the Internet by 2020. In this exploding Internet of Things (IoT), users, things and cloud services connect using the Internet to enable new use cases and new business models across multiple markets and applications.
Photographs	

WORKSHOPS CONDUCTED (2015 - 2016)

Title:	**Spoken Tutorial, Mumbai IIT**
Date and year:	1st Jul 2015
Venue:	Computer Science department Lab
Resource person/s:	Mrs. Trupti More and Ms. Prerana Mhatre from IIT Mumbai
No. of Participants	60
Objective:	Conducted for the benefit of the faculties and students from all colleges and educational institutions in Goa

Summary of the proceedings	Spoken tutorial project is to reach out to as many people as possible and give them some knowledge about open source softwares.It is a very useful course for students because after learning the course they will have to answer an online test and the students that pass i.e., secure more than 40% will be provided by a certificate by IIT Mumbai, which will come into handy while applying for jobs. It was conducted for the benefit of the faculties and students from all colleges and educational institutions in Goa.
Photographs	
Title:	**Struts 2 Framework**
Date and year:	29th Aug 2015
Venue:	M.Sc. (IT) lab
Resource person/s:	Mr. Mahesh P. Matha, MSc IT Course Coordinator
No. of Participants	9
Objective:	1.MVC Architecture and Struts,2.Aware Interfaces,3.Value Stack ,4.Struts Tags
Summary of the proceedings	The Department of Computer Science (M. Sc IT) organized a one day State-Level workshop on the topic "Struts 2 Framework" for the faculty members of BCA and B. Sc (Computer Science) streams on Saturday, 29th August 2015. Nine faculty members of Seven colleges across Goa attended the workshop. Mr. Mahesh P. Matha, M. Sc IT Course Coordinator was the resource person for the workshop.
Photographs	

Title:	**MongoDB – NoSQL Database**
Date and year:	5th Dec 2015
Venue:	Computer Science department Lab
Resource person/s:	Mr.Abhishek Gudekar, Assistant Professor
No. of Participants	25
Objective:	To introduce the NoSQL Database to the students
Summary of the proceedings	The workshop was well attended by M.Sc-IT(Part-II),M.Sc-IT(Part-I),T.Y.BSc students of Chowgule College ,TYBCA students of Fr.Agnel college, pilar and Faculty from Don Bosco college and Dhempe College.This workshop was conducted to intoduce the new concept of the NoSQL Database to the students.
Photographs	
Title:	**ICT based teaching learning**
Date and year:	4th & 5th Dec 2015
Venue:	OIT Lab1
Resource person/s:	Dr. Sameena Falleiro, Assistant Professor in association with Chowgule college, SCERT Goa & Vidnyan Parishad Goa conducted this workshop

No. of Participants	25
Objective:	To train the faculty in effective use of ICT in teaching learning process by giving them hands on training on various ICT tools in their science subjects.
Summary of the proceedings	This workshop was organized for all Goa Science teachers from Higher Secondary Colleges in Goa. Delivered sessions and provided hands on training to the participants of this workshop.
Photographs	NA

WORKSHOPS CONDUCTED (2015 - 2016)

Title:	**NodeJS Technology**
Date and year:	12th Mar 2016
Venue:	Computer Science department Lab
Resource person/s:	Mr. Dinesh Rivankar from Persistent Systems Ltd
No. of Participants	20
Objective:	To introduce the importance of Java script on the server side to the students
Summary of the proceedings	Department of Computer Science organized one-day hands on workshop titled "The NodeJS Technology" on 12th March, 2016 from 10am to 5pm. Mr. Dinesh Rivankar from Persistent Systems Ltd., was the resource person for this workshop. Twenty students from M. Sc IT (6 from Part I and 14 from Part II) attended the workshop.
Photographs	

WORKSHOPS CONDUCTED (2016 - 2017)

Title:	**TYBSc Syllabi**

Date and year:	25th Jun 2016
Venue:	Computer Science department Lab
Resource person/s:	Ms.Neeta Dhopeshwarkar
No. of Participants	25
Objective:	To discuss the curriculum of T.Y.B.Sc (Computer Science) with staff members from all colleges affiliated to Goa university.
Summary of the proceedings	To discuss the syllabi for all the T.Y.B.Sc faculties of department of computer science from various colleges in Goa.
Photographs	
Title:	**Cloud Computing**
Date and year:	11th Jul 2016
Venue:	M.Sc. (IT) lab
Resource person/s:	Mr Anay Kamat from Presentsoft Technologies Pvt. Ltd
No. of Participants	40
Objective:	During the workshop students were exposed to various Cloud Services. By the end of the session students successfully developed a Chat application on the cloud platform.
Summary of the	This workshop was attended by for M. Sc. IT and T.Y. B.Sc (Computer Science) students.

proceedings	During the workshop students were exposed to various Cloud Services. By the end of the session students successfully developed a Chat application on the cloud platform.
Photographs	
Title:	**R Tool**
Date and year:	29th Sep 2016 to 30th Sep 2016
Venue:	Upper Auditorium
Resource person/s:	Mr.Rajendra Patil, Assistant Professor, Department of of I.T., S.K.Somaiya College, Mumbai & Mr.Hiren Dand, Director, VVM College of I.T. & Management, Mumbai
No. of Participants	50
Objective:	To explain the significance of RTool in various research fields and elucidate the various kinds of statistical operations that can be achieved using the R-Tool.
Summary of the proceedings	Organized 2 two days state level workshop on "R Tool" for the faculties and students of various colleges from Goa.This was basically conducted to explain the significance of RTool in various research fields and elucidate the various kinds of statistical operations that can be achieved using the R-Tool.
Photographs	

Title:	**Version Controlling using GIT**
Date and year:	24th Aug 2016
Venue:	Computer Science Lab 2
Resource person/s:	Dr. Sameena Falleiro, Assistant Professor & Mr.Castor Godinho
No. of Participants	15
Objective:	To demonstrate the use of GIT hub as an effective software tool during software development
Summary of the proceedings	Dr.Sameena Falleiro organised a workshop for T.Y.B.Sc students on "Version Controlling using GIT" in order to demonstrate the use of GIT hub as an effective software tool during software development. Mr.Castor Godinho, FOSS founder and a student from M.Sc-IT was the resource person.
Photographs	NA

Title:	**POGIL**
Date and year:	21st Dec 2016
Venue:	Upper Auditorium
Resource person/s:	Dr. Sameena Falleiro, Assistant Professor
No. of Participants	Conducted this workshop for all faculties of department of Chemistry for the academic year 2016-2017
Objective:	To introduce the concept of Process Oriented Guided Enquiry Learning as a teaching tool to Chemistry Faculty
Summary of the proceedings	This workshop was organized for faculties of department of chemistry to introduce the concept of Process Oriented Guided Enquiry Learning as a teaching tool to Chemistry Faculty.

Photographs	NA

CONFERENCES/ SEMINARS CONDUCTED (2016 - 2017)

Title:	Fundamental Concepts and Principles for creating world-class Software Product
Date and year:	12th Jul 2016
Venue:	Upper Auditorium, Parvatibai Chowgule College of Arts & Science
Resource person/s:	Mr. Sarva Thulasingam, Chief Technical Officer, Infiswift Inc., California, USA
No. of Participants	60
Objective:	The seminar was very informative and stressed on companies perspective of developing software product.
Summary of the proceedings	Around 20 participants from other colleges attended along with the students and faculties of our college. The seminar was very informative and stressed on a companies perspective of developing software product.
Photographs	

WORKSHOPS CONDUCTED (2016 - 2017)

Title:	**Scratch Software**
Date and year:	2nd May 2017
Venue:	Computer Science department Lab
Resource person/s:	Ms. Priya Lotliker, Assistant Professor, Dept. of Computer Science
No. of Participants	20
Objective:	To introduce students to creative computing with scratch, using design-based approach.
Summary of the proceedings	This workshop was organized for F.Y.B.Sc students of computer science department to introduce creative computing with scratch, using design based approach.
Photographs	

WORKSHOPS CONDUCTED (2017 - 2018)

Title:	**TECHWEEK 2017**
Date and year:	7th Aug 2017 to 12th Aug 2017
Venue:	Upper Auditorium, Parvatibai Chowgule College of Arts & Science

Resource person/s:	Mr. Sedrick Pires, Numadic Technology, Goa, Mr. Viraj Ajgaonkar Numino Labs Pvt Ltd,Pune, Mr. Vaibhav Nagvekar and Mr. Royston Fernandes, Pune
No. of Participants	150
Objective:	The series of 'Hands on Workshops' was aimed at sharing the knowledge about new and trending softwares in the evolving world of Information Technology.
Summary of the proceedings	Mr Abhishek Gudekar, Assistant Professor & Mrs Priya Lotlikar, Assistant Professor organized National level hands on training workshop,"Techweek 2017" for faculties and students of various colleges from Goa and Karnataka
Photographs	

Title:	**Improvement in academic performance**
Date and year:	27th Sep 2017
Venue:	F103
Resource person/s:	Mrs. Neeta Dhopeshwarkar Assistant Professor
No. of Participants	9
Objective:	To help students for self assessment of academic performance and prepare the action plan for improvement.
Summary of the proceedings	This workshop was organized for T.Y.B.Sc computer science students. This was basically to help the students for self assessment of academic performance and prepare the action plan for improvement. The participants found the workshop useful and gave good feedback about it.
Photographs	NA

CONFERENCES/ SEMINARS CONDUCTED (2017 - 2018)

Title:	**Internship benefits & opportunities**
Date and year:	3rd Aug 2017
Venue:	F103
Resource person/s:	Mrs. Neeta Dhopeshwarker, Assistant Professor
No. of Participants	25
Objective:	To help students to understand the importance and relevance of internship module included in the curriculum
Summary of the proceedings	Mrs. Neeta Dhopeshwarker, Assistant Professor conducted this workshop for students of F.Y.B.Sc computer science and F.Y.B.Sc to brief them about importance and relevance of internship module included in the curriculum
Photographs	

WORKSHOPS CONDUCTED (2018 - 2019)

Title:	**Advanced Features in Professional Image Editing Software: Photoshop**
Date and year:	21st Sep 2018
Venue:	Computer Science Lab
Resource person/s:	Mrs. Neeta Dhopeshwarker
No. of Participants	10
Objective:	To teach multiple techniques of Image editing in professional manner with hands-on session in Photoshop.
Summary of the proceedings	This workshop was organized for PGDCA students wherein the students were elaborated on multiple techniques of Image editing in professional manner. Workshop included on Hands on sessions.
Photographs	
Title:	**Version Controlling system using GIT**
Date and year:	10th Aug 2018
Venue:	Computer Science department Lab
Resource person/s:	Mr. Castor Godinho, Assistant Professor
No. of Participants	T.Y B.Sc Computer Science and S.Y B.Voc Software Development students.
Objective:	Hands-on workshop on how to use GIT to create different versions of the code, create

	branches to develop new features and solve bugs.
Summary of the proceedings	This workshop was attended by T.Y.B.Sc (Computer Science) and S.Y.B. Voc software development students. Topics covered during the hands on workshop were: How to use GIT to create different versions of the code, create branches to develop new features and solve bugs. The workshop concluded with a demo on how to use GIT with GutHub, to work on a team project.
Photographs	NA
Title:	**Techweek 2018**
Date and year:	27th Aug to 1st Sep 2018
Venue:	Lower Auditorium, Parvatibai Chowgule College of Arts & Science
Resource person/s:	Mr. Chetan Borkar Senior Software Engineer and Founder of Dreamlogic Infosystem, Mr. Vishal Kerkar, Software Engineer from Accion labs and Mr. Sedrick Pires, Web Developer from Numedi
No. of Participants	98
Objective:	Main aim of this one week hands-on training programme was to make students familiar with the latest technologies. CodeIgnitor, Python& Django and Vue.js
Summary of the proceedings	Department of Computer Science organized "Techweek 2018 " under DBT Star college scheme from 27th August 2018 to 1st September 2018 for faculties and students of Department of computer science. (M.Sc IT & TY. BSc students). Industry experts were invited to give a hands-on session on current topics from IT field. Mr. Chetan Borkar(Senior Software Engineer and Founder of Dreamlogic Infosystem) delivered a hands-on session on "CodeIgniter-MVC Framework". Mr.Vishal Kerkar, Software Engineer from Accion labs gave a hands-on session on "Python and Django". Mr.Sedrick Pires, Web Developer from Numedic delivered a hands-on session on "Vue Js". Mrs. Suchitra Bhat, Associate Professor and department co-ordinator for DBT Star college scheme and Mr Abhishek Gudekar , Assistant Professor ,were the co-ordinators for Techweek 2018. This programme was conducted as a part of DBT Star college Scheme programme

Photographs	

CONFERENCES/ SEMINARS CONDUCTED (2018 - 2019)

Title:	Internship benefits & opportunities
Date and year:	3rd Aug 2018
Venue:	Computer science lab
Resource person/ s:	Mrs. Neeta Dhopeshwarker
No. of Participants	25
Objective:	To help students to understand the importance and relevance of internship module included in the curriculum
Summary of the proceedings	This workshop was conducted for F.Y.B.Sc (Computer Science) students which helped them to understand the importance and relevance of internship module included in the curriculum. Also it highlighted the benefits of internships. Broad idea was given about the whole internship process and the work record report they need to maintain during the process.
Photographs	NA

WORKSHOPS CONDUCTED (2019 - 2020)

Title:	**E-Learning and MOOCs in Higher Education**
Date and year:	14th January, 2019
Venue:	Upper Auditorium
Resource person/s:	Ms. Sunita Phadnis
No. of Participants	19 Outside faculties, 22 in house faculties and 13 M.SC (IT) students
Objective:	To create awareness about the following aspects Higher Education in India: Issues and Concerns Quality in Higher Education MOOCs, their basic philosophy with a focus on their potential to change the face of Higher Education in India. SWAYAM portal and different types of learners New Roles of Teachers in Technology driven Higher Education. About the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching scheme of MHRD, Govt. of India and how teachers can benefit from it.
Summary of the proceedings	Covered areas related to setting up boundaries, mutual respect, dimension of powerful classroom and engaged teaching.
Photographs	
Title:	**ICT in Education using Free Open Source Software (FOSS)**
Date and year:	9th March 2019
Venue:	Computer Science Lab I

Resource person/s:	Dr. Sameena Falleiro, Mr. Castor Godinho
No. of Participants	23 teacher participants from around 11 Schools/HSS
Objective:	Sessions were given on "ICT in Education" and also provided with hands on training on FOSS tools like GIMP, Audacity, Open Shot, etc
Summary of the proceedings	Training on FOSS tools
Photographs	

Title:	**Cloud Computing and Big Data**
Date and year:	15th and 16th March 2019
Venue:	Computer Science Lab I
Resource person/s:	Mr. Rahul Naidu, from Robsol
No. of Participants	35
Objective:	The workshop consisted of Theory sessions and Hands-on Sessions. Apart from the participation certificates, merit certificates were given to those students who performed well.
Summary of the proceedings	-

Photographs	
Title:	**Statistical Computing and Data Visualization using R**
Date and year:	10th August 2019
Venue:	Computer Science Lab I
Resource person/ s:	Mr. Mahesh Matha
No. of Participants	55
Objective:	Statistics is very important in different fields. R is a programming language that is used for Statistical Analysis, Data Visualization and reporting. It is freely available under the GNU General Public License.
Summary of the proceedings	-
Photographs	

PARVATIBAI CHOWGULE COLLEGE OF ARTS & SCIENCE (AUTONOMOUS) - GOGOL, MARGAO-GOA
DEPARTMENT OF COMPUTER SCIENCE

(Highlight the appropriate: Workshop/ Conference/Seminar/ Industry-Academia /Extension activity)

(Highlight the appropriate for Community outreach: Social service in terms of impact and sensitizing students to social issues of gender/hygiene/ nutrition/ domestic violence

	REPORT ON Statistical Computing and Data Visualization using R (Sponspored by DBT Star College Scheme) (2019 - 2020)
Title:	**Statistical Computing and Data Visualization using R (Sponspored by DBT Star College Scheme)**
Date and year:	10th August 2019
Venue:	Computer Science Lab I
Resource person/ s:	Mr. Mahesh Matha
No. of Participants	52 (24 Female, 28 Male)
Objective:	Statistics is very important in different fields. R is a programming language that is used for Statistical Analysis, Data Visualization and reporting. It is freely available under the GNU General Public License.
Summary of the proceedings	**R – An Introduction** R basics, Vectors, Lists, Arrays, Data Frames, Factors, Strings **Data Visualization using R** Bar Graphs (Simple, Grouped, Stacked) , Pie Charts, 3D Pie Charts, Histograms, Box Plots and Grouped Box Plots, Mosaic Plots. **Statistical Computing using R** Mean, Median, Mode, Standard Deviation, Linear Regression, Binomial, Poisson and Normal distribution.
Photographs	 Participants

Hands on session

Feedback by the Participant

PARVATIBAI CHOWGULE COLLEGE OF ARTS & SCIENCE (AUTONOMOUS) - GOGOL, MARGAO-GOA
DEPARTMENT OF COMPUTER SCIENCE

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(Highlight the appropriate for Community outreach: Social service in terms of impact and sensitizing students to social issues of gender/hygiene/ nutrition/ domestic violence

	REPORT ON TechWeek 2019
Title:	**TechWeek 2019**
Date and year:	26 August 2019 to 31st August 2019
Venue:	Lower Auditorium
Resource person/s:	Mr.Chetan Borkar , Co-founder, Dreamlogic Info systems, Ms. Shruti P ,Software Engineer , from Persistent Systems from Verna Goa. Mr. Sedrick Pires, Software Developer from Numadic
No. of Participants	107 (58 Female, 49- Male)
Objective:	Introduce trending technologies to students which will help them in projects and to get good jobs. .
Summary of the proceedings	**Following topics were covered on the 26th August 2019:** Asynchronous and event drives, Node js common packages, JSON web token (JWT) , Mongo database methods, Registration and login form and linking it to mongo db 27th August –Node js express Day 2 of the workshop began at 10:00am on 27th August. Mr.Chetan Borkar recommenced with the implementation that was done on 26th and Mr. Depak KJ shared his knowledge on Node express by sharing the stage.Following topics were covered in 2 different sessions: **Recommence node js, Node express ,Basic routing , Middleware functions, Types of middleware, code to create task list** **Following topics were covered on 28th August 2019** Difference between framework and library, Framework for building WebApp, Spring features, Spring 5 features, loc and dependency injection, Spring architecture , IoC container **Following topics were covered on 29th August 2019**

	Spring, Bean scopes and life cycle, Spring configuration with annotation
	Following topics were covered on 30ʰ August 2019
	what is react JS, Why use react, Who uses react i.e.Yahoo Facebook Uber Tesla Adobe etc, React building blocks i.e. JSX, BABEL, ECMAScript, Webpack, Components, Create components , Variables, Functions, Components, Program to check number of clicks, Create Props, Functional components
	Following topics were covered on 31ᵗʰ August 2019 **Recommence React** ,Change theme component, Communicate between two components, Refs, Redirect (number of seconds to display that file), Prototypes.
	One week session ended with the valedictory function by distributing certificates to the participants.
Photographs	(Inaugurations ceremony of Techweek 2019) (Mr.ChetanBorkar delivering session on Node JS) (Students working on Spring Framework) (Mr.SedrickPires delivering session on React JS)

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(Highlight the appropriate for Community outreach: Social service in terms of impact and sensitizing students to social issues of gender/hygiene/ nutrition/ domestic violence

	REPORT ON Scratch Programming
Title:	**Scratch Programming**
Date and year:	4th and 5th December 2019
Venue:	Computer Science department Lab
Resource person/s:	Ms. Ashweta Anand Fondekar
Organizing Committee	DBT-Star College scheme
No. of Participants	18
Objective:	1.To enable students to create projects that express their ideas. 2.To introduce basic computer programming to children of schools. 3.To make students think creatively, work collaboratively, and reason systematically.
Summary of the proceedings	1.Scratch is a project of the Lifelong Kindergarten Group at the MIT Media Lab. It is provided free of charge. 2.With Scratch, students can program their own interactive stories, games, and animations — and share their creations with others in the online community. 3.Scratch helps young people learn to think creatively, reason systematically, and work collaboratively — essential skills for life in the 21st century.
Photographs	

Participants, Coordinators and Volunteers of Scratch Programming.

Participants attending the session on Scratch programming

PARVATIBAI CHOWGULE COLLEGE OF ARTS & SCIENCE (AUTONOMOUS) - GOGOL, MARGAO-GOA
DEPARTMENT OF COMPUTER SCIENCE

(Highlight the appropriate: Workshop/ Conference/Seminar/ Industry-Academia /Extension activity)

(Highlight the appropriate for Community outreach: Social service in terms of impact and sensitizing students to social issues of gender/hygiene/ nutrition/ domestic violence

	REPORT ON Career Guidance
Title:	**Career Guidance**
Date and year:	15/01/2020
Venue:	Classroom: F103 (Computer Science Dept)
Resource person/s:	Mr. Mahesh Matha
Organizing Committee	Department of Computer Science
No. of Participants	19(TYBSc students)
Objective: 2.T	To create awareness on : 1.To help students fully engage in career planning. 2.To provide students with the relevant careers information, advice and guidance that are suitable for their personal needs. 3.To provide students with a comprehensive understanding of opportunities at key transition points and translate these effectively into appropriate decisions and actions.
Summary of the proceedings	**Career counseling** is an essential factor for identifying the real potential and guiding students towards the right career path. Students need to know the importance of career coaching and the right guidance. Following are the list of options were discussed with the students(TYBSc Computer Science):
Photographs	

PARVATIBAI CHOWGULE COLLEGE OF ARTS & SCIENCE (AUTONOMOUS) - GOGOL, MARGAO-GOA
DEPARTMENT OF COMPUTER SCIENCE

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(Highlight the appropriate for Community outreach: Social service in terms of impact and sensitizing students to social issues of gender/hygiene/ nutrition/ domestic violence

	REPORT ON IPR: Its Relevance in Academics
Title:	**IPR: Its Relevance in Academics**
Date and year:	24/01/2020
Venue:	Classroom: B208
Resource person/ s:	Miss Ashweta Anand Fondekar
Organizing Committee	The Research Committee and IQAC
No. of Participants	16(SYBSc students) 01(Faculty)
Objective:	To create awareness on : 1.Need and importance of Intellectual Property Rights (IPR) among the students 2.IPR promotion at Chowgule College
Summary of the proceedings	Intellectual property is a category of property that includes intangible creations of the human intellect. There are many types of intellectual property, and some countries recognize more than others. The most well-known types are copyrights, patents, trademarks, and trade secrets. In this seminar following topics are being covered : What is IPR Benefits Areas of IPR – In academics How college promotes IPR (IPR policy doc)

| Photographs | | |

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DEPARTMENT OF COMPUTER SCIENCE

(Highlight the appropriate: Workshop/ Conference/Seminar/ Industry-Academia /Extension activity)

(Highlight the appropriate for Community outreach: Social service in terms of impact and sensitizing students to social issues of gender/hygiene/ nutrition/ domestic violence

	REPORT ON Coding Hours 3
Title:	**Coding Hours 3**
Date and year:	14/02/2020
Venue:	Lower Auditorium
Resource person/s:	Mr. Castor Godinho Mr. Wendham Gray
Organizing Committee	Chowgule FOSS Club
No. of Participants	37(SYBSc students) 02(Faculty)
Objective:	1. To develop students problem solving skills 2. To build and improve reasoning and logic
Summary of the proceedings	Coding hours is a coding competition where students are presented with a set of 10 question which needs to be completed in a time span of 2 hours. Any programming language can be used to complete the problem. Student can participate individually of as a team of two. We had a total of 37 participates from B.Sc Computer Science, B.Voc Software Development and M.Sc (IT). The first place was secured by a team from B.Voc and second and third place was secured by M.Sc (IT).
Photographs	Participants answering the Coding hour competition Student Participants with Certificate

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REPORT ON Workshop on Automated Software Testing using Selenium and jmeter

Title:	Workshop on Automated Software Testing using Selenium and jmeter
Date and year:	22nd February & 24th February 2020
Venue:	Upper Auditorium,Parvatibai Chowgule College of Arts & Science
Resource person/s:	Ms. Purvi Keni , Module Lead, Persistent Systems Ltd, Goa.
Organizing Committee	Department of Computer Science under DBT Star College Scheme.
No. of Participants	50 (Students) 01(Faculty)
Objective:	To provide students with the hands on experience of using testing tools used in software industry for automation testing.
Photographs	

	Group Photo

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	REPORT ON TRAINING ON STUDENT SUBJECT MAPPING AND TEACHER SUBJECT MAPPING ON DHE-ERP-IAIMS PORTAL
Title:	DHE-ERP IAIMS PORTAL
Date and year:	13th February 2021
Venue:	Computer Science Lab I
Resource person/s:	Mr. Vasant S. Shirwaikar- Junior Programmer
Organizing Committee	Directorate of Higher Education
No. of Participants	8 – Non Teaching Staff
Objective:	This software application is designed to manage or track entire college campus activity such as student attendance, Subject mapping,Teachers Subject mapping etc.
Summary of the proceedings	Introduction to the DHE-ERP-IAIMS PORTAL.Subject mapping was demonstrated in detail.
Photographs	

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	REPORT ON TECH FEST {EDITION ONE}
Title:	TECH FEST {EDITION ONE}
Date and year:	27th February 2021, 9.30 a.m – 2.00 p.m
Venue:	Department of Computer science (Online Event)
Resource person/s:	N.A
Organizing Committee	Ms. Dikshita Aroskar, Mr. Castor Godinho, Ms. Diksha Prabhu Khorjuvenkar
No. of Participants	190
Objective:	In the view of National Science day, Computer Science department held an online event for the students of B.Sc.(Computer Science), PGDCA,BVOC (Software Development) and M.Sc (I.T).
Summary of the proceedings	Department of Computer Science organized TechFest Edition-I, an Intra-Departmental Technical Event for the students of the Department. Event consisted of six competitions. Ten teams consisting of students of B.Sc.(Computer Science), PGDCA, BVOC (Software Development) and M.Sc (I.T) participated in the event. Co-ordinators for the event were Ms. Dikshita Vishram Aroskar, Assistant Professor, Mr. Castor Godinho, Assistant Professor and Ms. Diksha Prabhu Khorjuvenkar Assistant Professor.Various event were kept namely, Video editing, web designing, Photography, Meme battle, Quiz and Drop the MIKE challenge. All students were divided into teams. In all 10 teams competed against each other. The event commenced at 9.30 and ended at 2.00 p.m. Team 7 (Codesquad) secured the 1 st place and Team 9(StarTech) were the runners up.Following are the details for the event: 	Sr. no	Event names	Event Coordinator	Event Judges	 |---|---|---|---| 	1	Video Editing	Ms. Tanvi Redkar Mr. Abhishek Gudekar	Mrs. Suchitra Bha Mr. Mahesh Mat Mr. Ian Baretto	 **Details of TechFest Winners:**

	1st Place: **Team Name: (Codesquad):** AYUSH GANESH NAIK, P LIKHITHA (FYBSC),RAYYAN KHAN, MAHALE DHEERAJ DINESH,PRABHUGAONKAR VARAD DNYANANAND (TYBVOC),RUDRAPA MARUTI MALVI,NORMAN CHRIS MASCARENHAS (SYBVoc),TIALY WELLTON VAZ (FYBVoc). **2nd Place:** **Team Name: (StarTech):** MRUGANK SUCHENDRA DESSAI,LIKHIT UMESH VARADKAR (FYBSc),DIAS ELTON,SHAIK SABENAA (TYBVoc),ANILKUMAR ASHOK JADHAV,RAYDEN JOSHUA BRITTO (SYBVoc),PRITESH RAGHUVIR SHIRODKAR,WALLACE SCOTT CONSANCIO,VAIBHAV RAYESH SHIRODKAR (FYBVoc).
Photographs	

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	REPORT ON WEBINAR ON "Technical Debt-How it could slow everything"
Title:	Technical Debt-How it could slow everything
Date and year:	20th March 2021
Venue:	Webinar (Online)
Resource person/s:	Mr. Sajid Shaikh (Thoughtworks Inc Pune)
Organizing Committee	Department of Computer Science
No. of Participants	24
Objective:	The Department of Computer Science organised a webinar on "Technical Debt-How it could slow everything" on 20th March 2021 for students of TYBSc computer Science,M.Sc IT-Part I and TYBVOC. Webinar was attended by 24 participants. Mr. Sajid Shaikh from Thoughtworks Inc Pune was the resource person for this webinar.
Summary of the proceedings	In this webinar resource person spoke on code refactoring,Exception handling,Logging,Code Smells,Test Driven Development,Naming Conventions and the tools which can be used to refactor the code and understand the cyclomatic complexity.
Photographs	