



Kristu Jayanti College

AUTONOMOUS Bengaluru

Reaccredited 'A' Grade by NAAC | Affiliated to Bengaluru North University

Programmes for Slow learners

Department of Computer Science [PG]



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2019 – 20



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DEPARTMENT OF COMPUTER SCIENCE [PG] INNOVATIVE TEACHING METHODS 2019 – 2020 REPORT

The Innovative Approaches to Teaching and Learning priority seeks to identify and scale up innovative approaches to teaching and learning that significantly improve student outcomes. Open source tools, software and World Wide Web are shifting our access to knowledge. Innovative teaching methods are changing the classroom experience, helping the students to improve technical skills, communication. Some of the innovative teaching methods used are as follows

1. Industry Expert Training Programme
2. Peer-peer teaching

1. Industry Expert Training Programme: The instructor who works in a business environment conveys knowledge or skills to the students. The Course contents are delivered to the students by the trainers from leading MNCs. The trainers who have excellent experience of imparting subject information clearly and concisely are identified for subjects like Data Analytics and Software Testing Tools. It helps the students to enrich their knowledge in deeper level and in par with the industry trends.

2. Peer Teaching: Peer group teaching is teaching the students by the students. Students are divided into different groups and those who are good in particular software or subjects will lead the group and help the students to excel in their area of interest.

Innovative Activity 2019-2020

| S. No | Innovative Activity | No. of Activities |
|-------|------------------------------------|-------------------|
| 1 | Industry Expert Training Programme | 2 |
| 2 | Peer Teaching | 41 Students |

Verified and Approved by HOD :


Mr. R. Kumar



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**DEPARTMENT OF COMPUTER SCIENCE [PG]
INNOVATIVE TEACHING METHODS 2019 – 2020
REPORT**

1. INDUSTRY EXPERT TRAINING PROGRAMME

| Sl. No. | Nature of the Course [Certificate/VAC / Training programme] | Title of the course | Date and Duration | Resource person / Faculty in charge | Total number of beneficiaries (Class/ No.) |
|---------|---|--------------------------------|-----------------------|--|--|
| 1 | Industry Expert Training (IET) | Wireless Sensor Networks & IoT | Jul 19 – Oct 19 | Mr. Nishant Krishna Co-Founder & Chief Technology Officer Tech Machinery and More Pvt. Ltd, Bengaluru | III M.Sc CS (11 Students) |
| 2 | Industry Expert Training (IET) | J2EE | Jan 2020 = March 2020 | Mr. Mohan Kumar, Corporate Trainer NetCraftz, Bengaluru | IV MCA (57 Students) |

2. PEER TEACHING

| Sl. No | Reg No. | Name | Subject | Topic | Date |
|--------|------------|-----------------------------|-----------------------|----------------------------|--------------------------|
| 1 | 18CS601002 | Alex John | Information Security | IDE algorithm | 9/5/2019 |
| 2 | 18CS601003 | Alphonsa Joseph | Photoshop | - | 04/09/2019 to 14/09/2019 |
| 3 | 18CS601004 | Apoorva Bahuleyan E M | Information Security | Unit 1 | 9/5/2019 |
| 4 | 18CS601005 | Arun Varghese | Information Security | Modes of Operations I | 10/31/2019 |
| 5 | 18CS601007 | Buthuru Lazares Sathya Babu | Information Security | RSA | 10/28/2019 |
| 6 | 18CS601008 | Deborah Raju | Data Mining | Classification Algorithm | 9/4/2019 |
| 7 | 18CS601011 | Famid Haneefa T | Information Security | Modes of Operations II | 10/31/2019 |
| 8 | 18CS601012 | Haritha Nair | Investment Management | Unit 1 | 9/4/2019 |
| 9 | 18CS601014 | Judson Joseph A | Information Security | Security Attacks and goals | 10/19/2019 |
| 10 | 18CS601016 | Neha Elizabeth Prince | OOAD | Unit 1 Part I | 10/16/2019 |
| 11 | 18CS601018 | Nixan Devassia | Information Security | MD5 | 10/31/2019 |



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| Sl. No | Reg No. | Name | Subject | Topic | Date |
|--------|------------|--------------------------|--|---|--------------------------|
| 12 | 18CS601020 | Pyarjith V P | Photoshop | - | 04/09/2019 to 14/09/2019 |
| 13 | 18CS601021 | Saji C | Information Security | Co-prime, Twin prime, Eucledian algorithm | 9/5/2019 |
| 14 | 18CS601023 | Sanoop Devassia | OOAD | Unit 1 Part II | 10/16/2019 |
| 15 | 18CS601024 | Sheikh Faridh Nowfal N Z | Information Security | IOT, DES | 05/10/2019,09/10/2019 |
| 16 | 18CS601028 | Syed Faizan Ismail | Information Security, Web Technologies | Cryptography, HTTP Header | 10/31/2019 |
| 17 | 18CS601030 | Melvin Ebenezer J | Data Mining | KDD | 10/9/2019 |
| 18 | 18CS601031 | Tabu K | Investment Management | Unit 2 | 9/4/2019 |
| 19 | 19CS602001 | Adira K K | Data Mining | ANN algorithm | 10/30/2019 |
| 20 | 19CS602002 | Mini Mariyam Varghese | OOAD | Unit 2 | 10/30/2019 |
| 21 | 19CS602003 | Preethi S | Web Technologies | XML | 10/31/2019 |
| 22 | 19CS602004 | Sherlin Susanna Shaji | Data Mining | ANN algorithm | 10/30/2019 |
| 23 | 19CS602005 | Shibin Shibu | Photoshop | - | 04/09/2019 to 14/09/2019 |
| 24 | 19CS602006 | Sony John | Introduction to Python | - | 10/26/2019 |
| 25 | 19CS602007 | Xavier Pearl A | Introduction to Python, Hacking in Linux | - | 10/26/2019 |
| 26 | 19CS602008 | Yuvashree S | Investment Management | Unit 1, Unit 3 | 9/3/2019 |
| 27 | 19CS602011 | Bhavan Kumar Y | Investment Management | Risk Management | 11/2/2019 |
| 28 | 19CS602012 | Prashanth S | Investment Management | Types of Risks | 10/31/2019 |
| 29 | 19CS602015 | Soundharya R | Investment Management | Primary Market | 10/31/2019 |
| 30 | 19CS602016 | Justin Devasisa | Investment Management | Insurance Part I | 10/31/2019 |
| 31 | 19CS602017 | Alex K J | Investment Management | Types of Insurance Part I | 10/31/2019 |



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| Sl. No | Reg No. | Name | Subject | Topic | Date |
|--------|------------|--------------------|-----------------------|---------------------------|------------|
| 32 | 19CS602019 | Pradhan P | Investment Management | Types of InsurancePart II | 10/31/2019 |
| 33 | 19CS602021 | Sheryl Madhu | Web Technologies | JSP Pre-defined Variables | 10/31/2019 |
| 34 | 19CS602022 | Ariel Sharoo J | Web Technologies | Server-side Programming | 10/31/2019 |
| 35 | 19CS602023 | Jeswin Thomas | Investment Management | Insurance Part II | 10/31/2019 |
| 36 | 19CS602024 | Neslin Joseph | Web Technologies | JSP Life-cycle | 10/28/2019 |
| 37 | 19CS602025 | Madhunishanthini S | Investment Management | Tax Planning | 10/31/2019 |
| 38 | 19CS602026 | Meghashree B | Hologram | - | 10/28/2019 |
| 39 | 19CS602027 | B Manoj | Information Security | Kerberos | 10/31/2019 |
| 40 | 19CS602028 | Sanjay N | Data Mining | Association Rule Mining | 10/31/2019 |
| 41 | 19CS602030 | Shilpa M | Information Security | Digital Signature | 10/31/2019 |

Verified and Approved by HOD :


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2018 – 19



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DEPARTMENT OF COMPUTER SCIENCE [PG]

VALUE ADDED COURSES / SKILL ENHANCEMENT COURSES

REPORT

Objective:

To keep pace with the latest technologies in the chosen field of study the department offers various Value Added Courses / Skill Enhancement Courses to the students every semester. These courses are conducted on latest trends and technologies. The value added courses are provided in order to equip themselves to enhance their domain knowledge. This course is introduced to increase the employability skills of the students. Some of the value added courses include Web Designing, VB.NET & C#, ASP.NET, J2EE and Open source technologies.

List of VAC / SEC

| Semester | VAC | Hours | Credits |
|--------------|---------------------------------|-----------|----------|
| I MCA | Soft Skills | 4 | 2 |
| I M.Sc. | Soft Skills | 2 | 2 |
| III MCA | ASP.NET | 3 | 2 |
| IV MCA | J2EE | 4 | 2 |
| V MCA | Open Source Technology - Python | 3 | 2 |
| Total | | 12 | 8 |

Execution:

The Value Added Courses / Skill Enhancement Courses are conducted for the students every semester.

- The Classes are conducted for 30Hrs – 40 Hrs.
- The performance of the students is evaluated and the credits are given based on their VAC / SEC examination score and the Mini Project.

List of VACs Conducted

| S.No | Semester | VAC | Faculty |
|------|----------|---------------------------------|---------------------|
| 1. | I MCA | Soft Skills | Prof. Sen B Mathews |
| 2. | I M.Sc. | Soft Skills | Prof. Sen B Mathews |
| 3. | III MCA | ASP.NET | Prof. Ayshwarya B |
| 4. | V MCA | Open Source Technology - Python | Prof. Aruna Devi K |
| 5. | IV MCA | J2EE | Dr. Muruganantham A |

Verified and Approved by HOD :

Mr. R.Kumar



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DEPARTMENT OF COMPUTER SCIENCE [PG]

BEYOND SYLLABUS SCHOLARLY ACTIVITIES (2018-2019)

The Department of Computer Science [PG] encourages the students to strengthen their technical and innovative skills by conducting the following activities.

- **Student Seminar Series:** A “Discussion forum” is a very effective pedagogy of learning, where students voice their opinions and explore new ideas and approaches to various topics. Such discussion forum is one of the ventures of the department to enhance and update the knowledge of the students. It helps the students to equip themselves with the new trends of technology, and it also helps to increase the confidence level and interactive capability of the students.
- **Tech Talk** is an Innovative Programme of the Department to encourage the students update themselves with the Current Technologies and Trends in the IT industry. Technical Experts meet the students and share the
- **Student Vacation Project Presentation:** Beyond curriculum department encourages the students to demonstrate the personal abilities and skills required to produce and present an extended piece of work. It helps them engage in personal inquiry, action and reflection on specific topics and issues. Projects focus on, and demonstrate an understanding of, the areas of interaction which reflect on learning and share knowledge, views and opinions.
- **Peer-Peer teaching:** Peer to peer teaching is an effective teaching method that can be used in the computer lab to enhance learning. Department encourages the students to implement the elements of successful peer teaching, and the educational value of this approach.



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DEPARTMENT OF COMPUTER SCIENCE [PG]

BEYOND SYLLABUS SCHOLARLY ACTIVITIES (2018-2019)

List of Beyond Scholarly Activities conducted 2018 – 2019

Tech Talk

| Sl. No. | Date | Title of the event organized | Name of the Resource Person/s with designation | Type of Event* | No of Participants | |
|---------|------------|---|---|----------------|--------------------|----------|
| | | | | | Internal | External |
| 1. | 01.09.2018 | Tech talk on “Software Testing – Modern Principles and Practices” | Mr. Subrat Tripathy, Quality Engineering and Assurance, CTS, Bengaluru | Intra | 110 | |
| 2. | 04.08.2018 | Tech Talk on Mobile App Retargeting | Ms. Ashvina Kumari. N, Executive Account Manager, Digital Operations, Revx Technology Ltd | Intra | 75 | - |
| 3. | 21/07/2018 | Tech Talk on “Digital Analytics” | Mr. Cammillius Jayadev Project Manager, Nabler, Bangalore | Intra | 69 | |
| 4. | 07/07/2018 | Tech Talk on “e-Workforce Management , Planning and Scheduling” | Ms. Sithara Kumaresh, Project Manager, Accenture, Bangalore | Intra | 71 | |
| 5. | 30/06/2018 | Microsoft Build Local Events | Ms. Alagunila Meganathan Microsoft MVP & C# Corner MVP | Intra | 25 | --- |

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2017 – 18



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DEPARTMENT OF COMPUTER SCIENCE [PG] – MCA PROGRAMME

INNOVATIVE TEACHING METHODS

REPORT

The Innovative Approaches to Teaching and Learning priority seeks to identify and scale up innovative approaches to teaching and learning that significantly improve student outcomes. Open source tools, software and World Wide Web are shifting our access to knowledge. Innovative teaching methods are changing the classroom experience, helping the students to improve technical skills, communication. Some of the innovative teaching methods used are as follows

1. Industry Expert Training Programme
 2. Student Seminar Series
 3. Peer-peer teaching
1. **Industry Expert Training Programme:** The instructor who works in a business environment conveys knowledge or skills to the students. The Course contents are delivered to the students by the trainers from leading MNCs. The trainers who have excellent experience of imparting subject information clearly and concisely are identified for subjects like Data Analytics and Software Testing Tools. It helps the students to enrich their knowledge in deeper level and in par with the industry trends.
 2. **Students Research Initiative:** The Department of Computer Science [PG] is committed to support the career skills development of the postgraduate students that include guiding the students to do research on challenging problems in recent technologies. The Students are provided with high-quality teaching, supervision and supplemented by Research Development opportunities coordinated by the department faculties. The students are trained on recent research tools for executing new experiments and writing articles.
 3. **Student Seminar Series:** It is a very effective pedagogy of learning, where students are comfortable to voice their opinions and to explore new ideas and approaches to various topics. One topic is given in advance to all the students and among them few students gets a chance to present it and any student can ask questions and clarify doubts and also contribute to the discussion. Advantages of these discussion forums are manifold- it helps the students to equip themselves with the new trends of technology, and it also helps to increase the confidence level and interactive capability of the students.
 4. **Peer Teaching:** Peer group teaching is teaching the students by the students. Students are divided into different groups and those who are good in particular software or subjects will lead the group and help the students to excel in their area of interest.



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5. **Projects:** Students are asked to complete at least two nonacademic projects during vacation along with their regular projects. They should submit the synopsis in the beginning of the project term and every week the review be conducted.

Innovative Activity 2017-2018

| S.No | Innovative Activity | No. of Activities |
|------|------------------------------------|-------------------|
| 1. | Industry Expert Training Programme | 2 |
| 2. | Student Seminar Series | 1 |
| 3. | Peer Teaching | 1 |

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DEPARTMENT OF COMPUTER SCIENCE [PG] – MCA PROGRAMME

INNOVATIVE TEACHING METHODS

1. INDUSTRY EXPERT TRAINING PROGRAMME

| Sl. No. | Nature of the Course [Certificate/VAC / Training Programme] | Title of the course | Date and Duration | Resource person / Faculty in charge | Total number of beneficiaries (Class/ No.) |
|---------|---|---------------------------------|-------------------------------|---|--|
| 1. | Industry Expert Training (IET) | Software Testing Tools | 24.06.2017 - 22.07.2017 | Mr. Yagnesh Shah, Lead SDET Consultant and Context Driven Tester, Spring Board, Bengaluru | V MCA, 22 Students |
| 2. | Industry Expert Training (IET) / Value Added Course (VAC) | Open Source Technology - Python | 21.06.2017 40 Hours | Mr. Syam Kakumani Corporate Trainer, PEPPY Learning Solutions, Bengaluru | V MCA, 44 Students |

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DEPARTMENT OF COMPUTER SCIENCE [PG] – MCA PROGRAMME

INNOVATIVE TEACHING METHODS

2. STUDENT SEMINAR SERIES

REPORT

| | |
|-------------------------|--|
| Date | : 22 nd July 2017 |
| Time | : 11:30 am – 12:50 pm |
| Classes Attended | : III Semester MCA |
| Number of beneficiaries | : 28 |
| Resource Person | : Mr. Deepak Dulal, Mr. Kynsaihunlang Iangrai, Mr. Sarjun, III Semester MCA |
| Topic | : IOT, WOT AND CLOUD COMPUTING |

Objective: To train the students to give presentations that count toward fulfilling their Technical speaking requirements.

Brief Write up on the Programme:

The topic Cloud computing was handled by **Mr. Deepak Dulal**. He started the seminar by giving a brief introduction to the topic and then spoke about the types of Cloud Computing, its Deployment models, Services provided and its Applications. Then **Mr. Kynsaihunlang Iangrai** presented on Web of things. He gave an Introduction to the topic and then explained its Architecture, Applications and did a comparison between Web of things (WoT) and Internet of things (IoT). Internet of Things was taken by **Mr. Sarjun S**. He explained the working of Internet of Things, the potential of IoT, its current status and future prospects, Criticisms and controversies of IoT and its Applications.

Learning Outcome:

The session was interactive and informative. It gave the students an opportunity to explore the topics, enrich their presentation skills and gain information through this session. All the students participated with lots of interest and enthusiasm.

Feedback Analysis:

| Feedback Summary (%) | Strongly Agree | Agree | Neutral | Disagree | Strongly Disagree |
|---|----------------|-------|---------|----------|-------------------|
| Lecture & presentation was enlightening | 25.00 | 42.86 | 28.57 | 3.57 | 0 |
| Information presented was new | 28.57 | 25.00 | 42.86 | 3.57 | 0 |
| Presentation was relevant | 25.00 | 32.14 | 39.29 | 3.57 | 0 |
| Content was delivered efficiently | 21.43 | 39.29 | 35.71 | 3.57 | 0 |
| Audio / Visual was effective | 21.43 | 28.57 | 42.86 | 7.14 | 0 |

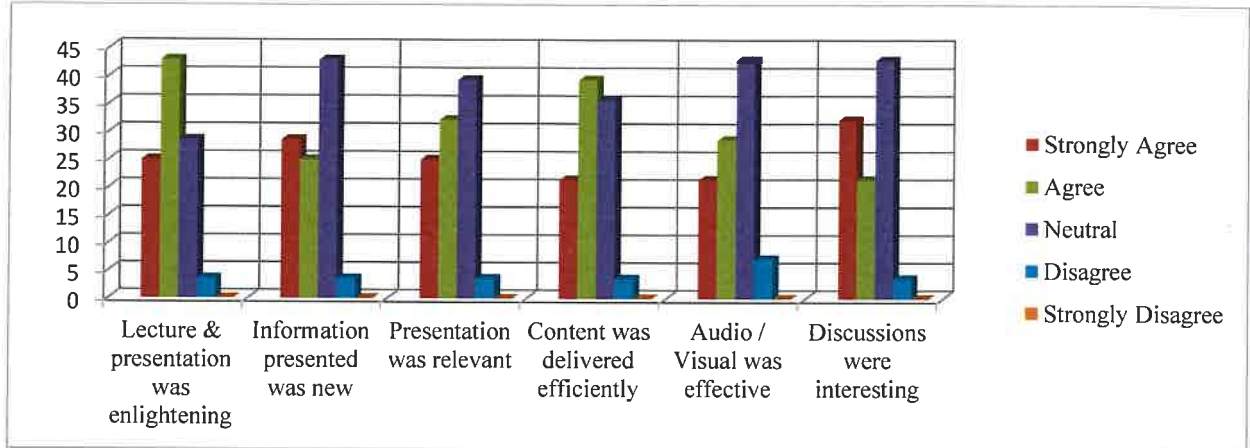


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| | | | | | |
|------------------------------|-------|-------|-------|------|---|
| Discussions were interesting | 32.14 | 21.43 | 42.86 | 3.57 | 0 |
|------------------------------|-------|-------|-------|------|---|



Report prepared by

Ms. Aruna Devi K

Verified and Approved by HOD :

Mr. R.Kumar



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DEPARTMENT OF COMPUTER SCIENCE [PG] – MCA PROGRAMME

INNOVATIVE TEACHING METHODS

3. PEER TEACHING

REPORT

Date : 18th August 2017 to 31st August 2017
Time : 3:30 pm – 4:30 pm
Classes Attended : I & III Semester MCA
Number of beneficiaries : 63
Resource Person : Mr. Kurian George & Mr. Abhijith Benny, V MCA

Objective: To train the Students on Graphic Designing with easy practical hands on exercises like Poster Design / Certificate Design

Course Contents:

| Sl.No | Date | Topic | Trainer |
|-------|------------|---|---|
| 1. | 18.08.2017 | Introduction to Graphic Design, Difference between Vector and Scalar Designs, Various Examples demo | Mr. Kurian George & Mr. Abhijith Benny, V MCA |
| 2. | 21.08.2017 | Introduction to Adobe Illustrator Interface, Flat UI Colors, Introduction to Tools and art board | |
| 3. | 24.08.2017 | Practical section on various tools, Drawing a vector background Image in an art board. | |
| 4. | 28.08.2017 | Creation of Poster and Certificate designs | |
| 5. | 31.08.2017 | Assignment – Poster for Intra Collegiate Fest | |



Report prepared by

Ms. Aruna Devi K

Verified and Approved by HOD :

Mr. R.Kumar



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DEPARTMENT OF COMPUTER SCIENCE (PG)

Session on “Placement Orientation and Training Programme

REPORT

| | |
|---|--|
| Date | : 19 th July 2017 |
| Time | : 2:30 pm – 4:30 pm |
| Classes Attended | : V MCA |
| Number of beneficiaries | : 43 |
| Name and details of the Resource Person | : Prof. Sen B. Mathews Prof. Neetha Dwivedhi Centre for Employability and Corporate Relations, Kristu Jayanti College |

Objective: To give insights about the employment related activities of CECR cell.

Brief Write up on the Programme:

The centre for Employability and Corporate Relations (CECR) organised a Placement Orientation and Training Program (PoTP), introducing the various undertakings of the cell. The departments of MA (Eng), Mass communication, MA (Economics), and Msc Psychology were also an integral part of this orientation. Prof. Sen. B Mathews and Prof. Neeta Diwedi were the key-speakers. The session took off with briefing the wards about the terms and conditions of the cell; how and under what circumstances do the candidates get freezed for placements and so forth. Details about GATE – Opening a Passage, Udyog Vichaar – Campus to Corporate, Transcend – Employability Lecture Series, and Need Analysis were shared to the students. Discussions regarding the placement forum members were put up. The journey from Campus 2 Corporate (C2C) was highlighted. Eligibility, dismissal, implications of policy violation and pre-requisites were addressed in detail. Prof. Sen. B. Mathews also took a look-through on Resume making, documentation, etiquettes and gave testimony of many success stories that emerged out of GATE.

Learning Outcome:

The audience were highly motivated by this and it instilled in them a sense of encouragement and confidence for their future career.

Report prepared by

Ms. Aruna Devi K

Verified and Approved by HOD :

Mr. R.Kumar



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2016 – 17



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A U T O N O M O U S **B e n g a l u r u**
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DEPARTMENT OF COMPUTER SCIENCE (PG) 2016 – 17

REPORT ON INNOVATIVE TEACHING METHODS

The Innovative Approaches to Teaching and Learning priority seeks to identify and scale up innovative approaches to teaching and learning that significantly improve student outcomes. Open source tools, software and World Wide Web are shifting our access to knowledge. Innovative teaching methods are changing the classroom experience, helping the students to improve technical skills, communication.

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- 2. Student Seminar Series:** It is a very effective pedagogy of learning, where students are comfortable to voice their opinions and to explore new ideas and approaches to various topics. One topic is given in advance to all the students and among them few students gets a chance to present it and any student can ask questions and clarify doubts and also contribute to the discussion. Advantages of these discussion forums are manifold- it helps the students to equip themselves with the new trends of technology, and it also helps to increase the confidence level and interactive capability of the students.
- 3. Peer-peer teaching:** Peer group teaching is teaching the students by the students. Students are divided into different groups and those who are good in particular software or subjects will lead the group and help the students to excel in their area of interest.

Innovative Activity 2016-2017

| S.No | Innovative Activity | No. of Activities |
|------|------------------------------------|-------------------|
| 1. | Industry Expert Training Programme | 1 |
| 2. | Student Seminar Series | 1 |
| 3. | Peer-peer teaching | 2 |


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DEPARTMENT OF COMPUTER SCIENCE (PG)

REPORT ON STUDENT SEMINAR SERIES

Title: **VIEWS ON LATEST TECHNOLOGIES IN THE MARKET**

Date : 25.06.2016
Classes Attended & Number of beneficiaries : II and III Year MCA Students, 72
Name and details of the Resource Person : Students from V MCA

Objective:

Student Seminar Series is the forum where students will have the exposure to present their views about latest technologies in the market

Brief Write up on the Programme:

Student Seminar Series for the Academic year 2016-2017 was conducted on 25th June, 2016 from 11 am to 1 pm during club activities where the MCA students presented on various topics like python, angular JS, software testing, Joomla and Internet of Things. It was a learning experience for the students. During the session III and V Semester students along with MCA faculty members were also present. Each Student is given with stipulated time to do a presentation on the topic assigned, during the end of each presentation few questions are asked by the audience and faculty members. Prof. A. Muruganantham appreciated the students for their presentation and the effort taken for bringing out the latest information about technology.

List of presenters

| S. No | Name of the Student | Presentation Topic |
|-------|----------------------|----------------------------------|
| 1 | Mr. Alfred George | Python |
| 2 | Mr. Goutham | Angular JS |
| 3 | Mr. Shijo Shaji | WordPress |
| 4 | Mr. Nithin Koshy | Game Development |
| 5 | Ms. Kyntu | Software Testing |
| 6 | Ms. Rincy Cheriyan | Software Testing |
| 7 | Ms. Tincy B | Joomla |
| 8 | Mr. Inderpreet Singh | IOT- Blue Mix |
| 9 | Mr. Amarjith | Python |
| 10 | Mr. Ashish Tom | Python |
| 11 | Mr. Mathewkutty | R Programming |
| 12 | Ms. Vijaya | Cloud Computing |
| 13 | Ms. Zama | Cyber security |
| 14 | Ms. Krithika | Software Testing and Maintenance |
| 15 | Ms. Agitha | Cyber security |



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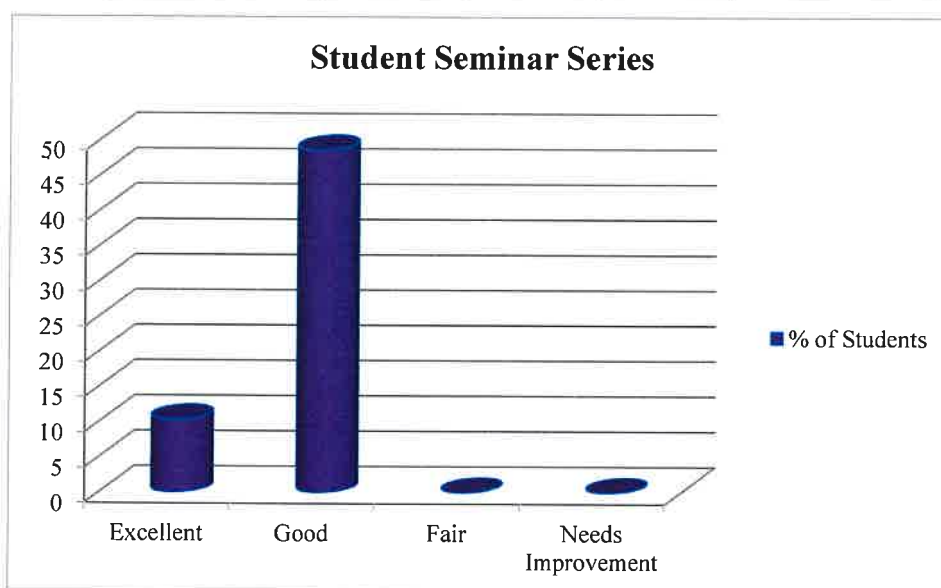
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| | | |
|----|-------------|-----------------|
| 16 | Mr. Suresh | Visual Basic |
| 17 | Mr. Kishore | Cloud Computing |

Feedback:

| | Excellent | Good | Fair | Needs Improvement |
|----------------|-----------|------|------|-------------------|
| No of Students | 7 | 33 | 0 | 0 |
| % of Students | 10 | 49 | 0 | 0 |



Report prepared by

Mr. Velmurugan

Verified and Approved by HOD :


Mr. R. Kumar



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2015 - 16



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DEPARTMENT OF COMPUTER SCIENCE (PG)

2015 - 16

It has been observed from analyses of University Examination results over the years that conducting remedial classes is highly beneficial for students and goes a long way in improving results. With this in mind, the faculty members of the Computer Science Department identified weak students on the basis of their performance in the two internal examinations and commenced remedial class sessions for them as soon as the syllabus for the respective subjects was completed. These students were also asked to submit assignments and appear for viva-voce. Following are the details of remedial sessions conducted:

Consolidated remedial class – 2015-2016

| Name of Faculty | Class | Subject | Number of Students Attended |
|------------------|---------|---------------------|-----------------------------|
| Ms. Jyothi Manoj | III MCA | Operations Research | 11 |
| Ms. Aruna Devi | II MCA | Computer Networks | 12 |

REMEDIAL CLASSES REPORT

To improve the performance of the slow learners remedial classes are conducted. These classes are initiated to improve the performance on result analysis of the term examinations. These classes are conducted after the regular class hours (between 3.30 PM and 5.00 PM). Students are trained on the respective subject fundamentals in exam point of view. Peer-peer teaching is also accomplished as a remedial measure.


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DEPARTMENT OF COMPUTER SCIENCE (PG)

Programme: Peer-Peer Teaching

Report

Date : 21.08.2015
Time : 2:00 PM
Venue : Computer Lab (PG)
No of Beneficiaries : 44

The Department of Computer Science (PG) offers students the opportunity to learn from each other through the Peer to Peer training. The training was the hands on experience on Photoshop. The session was focused to gain knowledge on Adobe Photoshop. Mr. Melbin and Mr. Mathew Kutty Mathew of III Semester MCA were the trainers. Mr. Melbin gave the insights on Photoshop, its benefits and how to install the software. He explained how to create a new photoshop document, create graphics objects, layering concepts, editing the images and layer styles. He also demonstrated to select part of the image using various types of selection tools.

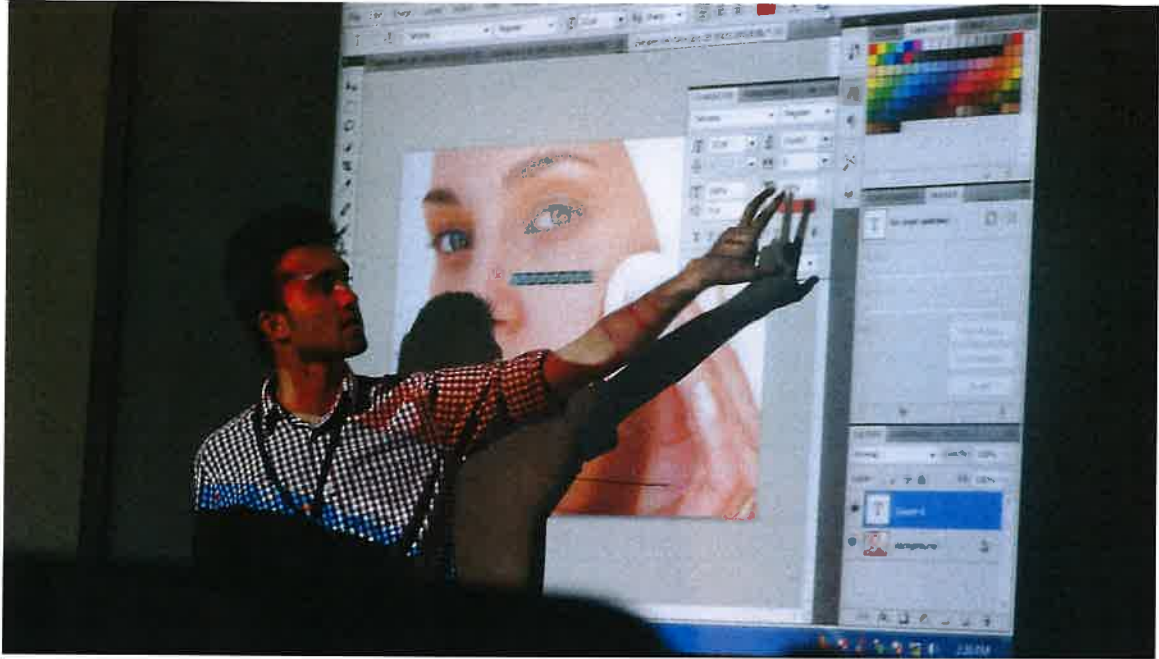
The students were also trained to apply clone stamp tool. Then Mr. Mathew Kutty explained about brush and other drawing tools. He also demonstrated to use filters on images. The students were gained knowledge on importing and exporting the documents. Finally the students were assigned with an exercise of creating a brochure for intercollegiate fest. Thus the Peer to Peer training helped students to apply the core concepts presented by the trainers.



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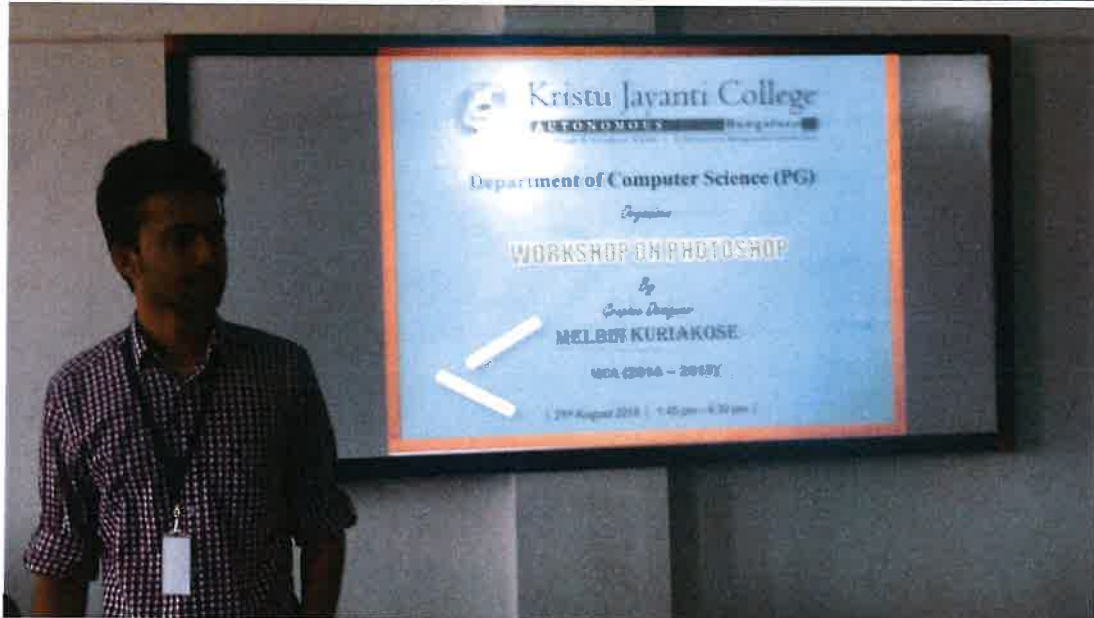




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Kumar
Verified and Approved by HOD



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A U T O N O M O U S **B e n g a l u r u**

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DEPARTMENT OF COMPUTER SCIENCE (PG)

Programme: **TECHNICAL COMMUNITY PRESENTATIONS**

REPORT

Date: 01.08.2015

Venue: Conference Hall – I

Presented by: Shebin and Denil (V MCA)

Time: 11:00 am – 01:00 pm

No. of Beneficiaries: 66

i) **Data Analytics using SPSS Software**

The topics covered in the session I:

- 1) How we can analyze the data and formulate it in the format of LPP
- 2) The working flow of the software and how to find the correlation between the variable.

Initially, the session started with the importance of the big data and how we can plot the variables in the LPP format and also the different discrete statistical method that can be applied in the software.

Advantage of the software:

To find the correlation between the variables and how to analyze the important variable that affect the sales report. Also explains the ease of the software to collect the information, to formulate the correlation factor, the random distribution factor and also the basic discrete statistic details.

ii) **Community: Network**

The topics covered in the session II:

Generation of Networks

Network Components - Switches, NIC, Routers, Topologies



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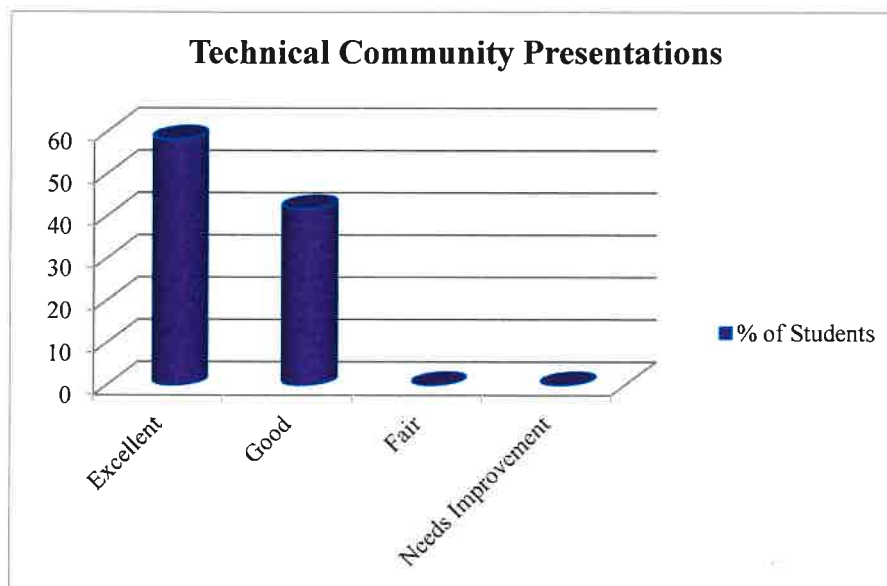
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DEPARTMENT OF COMPUTER SCIENCE(PG)

Event : Technical Community Presentations

Date :01.08.2015

| | Excellent | Good | Fair | Needs Improvement |
|-----------------------|-----------|------|------|-------------------|
| No of Students | 39 | 28 | 0 | 0 |
| % of Students | 58 | 42 | 0 | 0 |




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