

SOPHIA GIRLS' COLLEGE
(AUTONOMOUS), AJMER



DEPARTMENT OF COMPUTER SCIENCE

2018-19



DEPARTMENT OF COMPUTER SCIENCE
SOPHIA GIRLS' COLLEGE
(AUTONOMOUS), AJMER

IS ORGANISING AN

EXPERT TALK

ON

**Career Planning in Software
Development After
Graduation**

MRS. ANUPRIYA BHATNAGAR
Industry Expert

Date: 11th July 2018

Time: 10:30 AM

Venue: Computer Lab-II

All attendees must bring their IDs.

Report

Name of the Department : Computer Science

Name of the Activity:Expert Talk on “Career Planning In Software Development After Graduation”

Date:11th July 2018

Total Number of the Students:53

Venue:Computer Science Department, Sophia Girls’ College (Autonomous), Ajmer

Resource Person:Mrs. AnupriyaBhatnagar–Techinfoware India Pvt. Ltd, Bangalore

Report:The Department of Computer Science organized an expert talk on “Career planning in software development after graduation” on 11th July,2018at 10:30 AM in the Department of Computer Science by Mrs. AnupriyaBhatnagar, Techinfo ware India Pvt. Ltd. Bangalore. The aim of the talk was to highlight possible Career planning in software development after graduation. Students got to see the insight and perspective of the programming field. One important benefit that is derived from having a guest speaker is the enhancement of the students’ educational experience. They essentially get a glimpse into the everyday life of the programmer, which they can’t get anywhere else. The Expert Talk was overall very informative and knowledgeable.

Learning Outcomes:

1. Plan career after the completion of UG course in software development industry.
2. Career-wise exploration of Programming field.
3. Work-life balance of a programming job.





**DEPARTMENT OF COMPUTER SCIENCE
SOPHIA GIRLS' COLLEGE
(AUTONOMOUS), AJMER**

IS ORGANISING A



PICNIC

PLACE: BIRLA CITY WATERPARK

DATE: 7TH AUGUST, 2018

TIME: 9:00 AM



**THE INTERESTED STUDENTS SHOULD SUBMIT THEIR NAMES
TO MA'AM KIRAN BHAGNANI ON/BEFORE 01.08.2018**

Report

Name of the Department : Computer Science

Name of the Activity :One Day Picnic to “Birla City Water Park, Ajmer”

Date:7th August 2018

Total Number of the Students: 68

Venue :Birla City Water Park, Ajmer

Report : With their hearts filled with anticipation and bright smiles on their faces, the students and the faculty members of the BCA department headed off for their One Day Picnic to “Birla City Water Park, Ajmer” on 7th August 2018. After a warm welcome we assembled in the community hall for some interesting and interactive activities. The students were amazed beyond limit to see their mentors taking part in games and dancing their heart off. The students enjoyed the pool party, chilled water and songs. It sparked an unfathomable satisfaction in the hearts of the students. The day ended with the laughter of the girls echoing in each and every corner and filled the air with joy and elation.

Learning Outcomes:

1. Gaining essential social skills.
2. Improving the Teamwork Skills.
3. Learn to manage stress through lifestyle factors.



Objectives of the Workshop

The Objective of the Workshop is to enable student participants and research scholars to understand the workspace and user interface. This workshop is designed to impart knowledge on Research Methodology in the context of qualitative and quantitative research along with training in advanced Data Mining (including Weka) across the various fields of Research.

As a discipline of Research, Technology is useful in designing the study, collection and management of data, analysis and interpretation. In this information era, a large volume of data is generated through various research activities. Most of the researchers often face difficulty in handling data, in addition to the use of suitable data mining techniques to obtain the relevant information. Data management is the primary tool to be used before data is subjected to data analysis. This training programme is designed to give the participants an overview of research methodology by expert lectures and discussions. In addition, a major portion of the programme involves explanations and hands on exercises in data analysis using Weka data mining tools.

Following are the main objectives of the proposed workshop:

- To acquaint the research scholars, faculty and students with the basics of Research Methodology.
- To expose the students towards the new trends of research.
- To acquaint research scholars with appropriate selection of Data Mining tools for different types of data and methods and tools of valid and relevant data collection.
- To train the participants in the use of Data Mining techniques in data analysis in the field of Science and Social Sciences.
- To provide hands on training for the use of Weka for analysis of different types of data.

About the Department

The Department of Computer Science was established in 2005 and started Vocational Computer Applications and gradually grew by starting Bachelor of Computer Applications and Master of Computer Science in 2007. The Department envisions building its reputation as one of the leading under graduate and post graduate Computer Science programs in the nation in the areas of Computer Professionals, Web Developers and Software Engineers.

Who can attend the Workshop?

Faculty and Students of PG Colleges, Engineering Colleges, Polytechnic Colleges, Research Scholars and Industry Personnel can attend the Workshop.

Registration Fee

Teachers/Professionals/Academicians	1000/-
Research Scholars/PG Students	750/-

Registration fee includes workshop participation workshop kit, breakfast and lunch. All the members who desire to attend the workshop must send their registration fee through any of the following modes:

1). Demand Draft/Banker's Cheque:

Drawn in favour of Principal, Sophia Girls' College, Ajmer payable at Ajmer. The registration fee should be sent by speed post/registered post to the following address: Principal, Sophia Girls' College, Mirshali, Jaipur Road, Ajmer (Rajasthan) 305001.

2). NEFT/RTGS to:

A/c Name : Principal Sophia Girls' College, Ajmer
Bank Name : Canara Bank
Branch Name : Sophia Sr. Sec. School, Ajmer
A/C No. 8469101012442
IFSC Code : CNRB0008469
(Kindly bring the receipt of your online payment)

PATRON

Dr. Sr. Pearl
(Principal)

CONVENOR

Mr. Gautam Chaturvedi
(HOD, Department of Computer Science)

ORGANISING SECRETARY

Dr. Ritu Bhargava

ORGANISING COMMITTEE MEMBERS

Mr. Jeetendra Mistry
Mrs. Neha Sharma
Mrs. Shubha Chaturvedi
Mrs. Kiran Bhagnani
Mr. Rishi Saxena

2 DAY NATIONAL WORKSHOP ON

"Research Methodology and Data Analysis using Data Mining Tools"

16TH & 17TH AUGUST 2018



ORGANISED BY

Department of Computer Science,
Sophia Girls' College, Ajmer
(Autonomous)

SPONSORED BY



Department Of Science and Technology
Government of Rajasthan, Jaipur

About Sophia Girls' College (Autonomous), Ajmer

The Sophian Institution was founded in 1919 as a small Primary School to educate girls of conservative families of the time. It gradually grew from Middle to a High School and in 1942 was raised to the Intermediate level. The Institution acquired the Degree status in 1959 so as to provide Higher Education facilities for women. Today the institution is a full-fledged Autonomous 'A' Grade College permanently affiliated to Maharshi Dayanand Saraswati University, Ajmer with Faculties of Arts, Science, Commerce, Management (BBA), Computer Application (BCA), Honours in English and Economics, Post Graduation in English, Political Science, Sociology, Geography, Chemistry, ABST and Computer Science.

Location

The College is located on Jaipur Road, Ajmer, Rajasthan at a distance of 1.5 Km from Ajmer bus stand and around 2.5 km from Ajmer Railway station. It is connected to Jaipur by Road through AC bus service and Rail through Shatabadi/Superfast trains. The city is surrounded by the famous Aravali Hills. Ajmer is internationally famous for Lord Bhrama temple at Pushkar, Ajmer and Dargah Sharif at Ajmer.

Vision

The Congregation of the Mission Sisters of Ajmer (a Sisterhood of Indian women) imbued with the love of Christ and inspired by Mary-Seat of Wisdom – the role model of all women, are committed to work in the field of Higher Education and to uplift the girl child and thus empower her by providing a holistic development to make an effective contribution to the community, society and nation.

Mission

We inspire young women to achieve academic excellence, preparing them for their role in the future as career women, wives and mothers. We create an atmosphere of respect and concern for the welfare of students. We lead them to know GOD through the pursuit of truth and knowledge of self, nurturing them to become beacons of light and ambassadors of harmony.

REGISTRATION FORM

Sophia Girls' College, Ajmer (Autonomous)
Organizes a
Two Day National Workshop
On

"Research Methodology and Data Analysis using Data Mining Tools"

16th & 17th August 2018

Sponsored by

Department Of Science and Technology
(Government of Rajasthan)

Name: Mr./Ms./Dr.

(In Capital Letters)

Designation:

Department:

Organization:

Address for Correspondence:

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Mobile No.:

E-mail ID:

Educational Qualification:

Accommodation Required: Yes/No

Signature & Date:

Accommodation and Travel

Accommodation will be provided on the basis of availability in guest house/hotels on payment basis. No TA/DA will be provided to attend the program.

For Online Registration

www.sophiacollegeajmer.in

Reporting Date, Time & Venue:

16th & 17th August, 2018, 9.00 a.m. onwards
Sophia Girls' College, Ajmer (Autonomous)

CONTACT DETAILS

Please feel free to contact the executive members of the Workshop for any queries through:

Website

www.sophiacollegeajmer.in

E-Mail

computerscience@sophiacollegeajmer.in

Contact No. 0145-2427243

Mr. Gautam Chaturvedi: 9530259383

Dr. Ritu Bhargava: 9413994079

Mrs. Neha Sharma: 7737618542

Mrs. Shubha Chaturvedi: 7976024258

Mrs. Kiran Bhagnani: 9929824926

Mr. Rishi Saxena: 8209897476

Report

Name of the Department: Computer Science

Name of the Activity: National Workshop on “Research Methodology and Data Analysis using Data Mining Tools”

Date: 16th and 17th August 2018

Total Number of the Students: 101

Venue: Seminar Hall, Sophia Girls’ College (Autonomous), Ajmer

Resource Persons:

Prof. Lalit Kumar Awasthi, Director B.R. Ambedkar NIT, Jalandhar.

Prof. N.N. Jani, Director SKPIMCS, Kadi SarvaVishavidyalaya, Gandhinagar.

Prof. Sumit Srivastava, Head Dept. of IT, Manipal University, Jaipur.

Dr. R. P. Aharwal, Asst. Prof. Dept. of Mathematics & Computer Applications, Govt. P.G. College, Damoh.

Report:

The Department of Computer Science organized a two day National Workshop on “Research Methodology and Data Analysis using Data Mining Tools” on 16th and 17th August 2018 at Sophia Girls’ College, Ajmer, sponsored by the Department of Science and Technology, Government of Rajasthan Jaipur. The workshop was inaugurated in a prayerful manner with the lighting of the lamp by our chief guest and Keynote Speaker Prof. Lalit Kumar Awasthi, Resource Person Prof. N.N. Jani, our Principal Dr. Sister Pearl, Convener Mr. Gautam Chaturvedi and the Organizing Secretary Dr. Ritu Bhargava. Our keynote speaker Prof. Lalit Kumar Awasthi Director B.R. Ambedkar National Institute of Technology, Jalandar (Punjab) has enlighten the budding minds in the field of research with his presentation on the use and importance of “Research Methodology and Data Analysis using Data Mining Tools”. The Workshop emphasized that the technological advancement is inevitable because it is the need of the time and has numerous advantages in our daily life along with the dark side of negative social impact which we have to manage at every level of our life

Learning Outcomes:

1. Understanding the limitations of particular research methods.
2. Develop skills in qualitative and quantitative data analysis and presentation.
3. Develop advanced critical thinking skills.



Report

Name of the Department: Computer Science

Name of the Activity: Internship Program

Date: 25th February 2019 to 31st March 2019.

Total Number of the Students: 32

Venue : IBirds Software Services Pvt. Ltd. Ajmer”

Report : The Students of the Department Of Computer Science took part in the **32 Day Internship Program** From **25th February 2019 to 31st March 2019** which was organised by IBirds Software Services Pvt. Ltd. Ajmer. The company offered best of their services to the students in the field of web development. They learnt different languages like HTML, CSS, Bootstrap, Java etc to help them develop websites.

This internship proved to be beneficial and fruitful for the students and they used best of their skills for the same. It was indeed a great learning opportunity for the students. After the completion of the program the students were given certificates of completion.

Learning Outcomes:

1. Explore career alternatives prior to graduation.
2. Integrate theory and practice.
3. Develop work habits and attitudes necessary for job success.



**DEPARTMENT OF COMPUTER SCIENCE
SOPHIA GIRLS' COLLEGE
(AUTONOMOUS), AJMER**

IS ORGANISING A

**POWER POINT
PRESENTATION
COMPETITION**



DATE: 24TH FEBRUARY, 2019

TIME: 10:00 AM

VENUE: COMPUTER LAB II

**THE INTERESTED STUDENTS SHOULD SUBMIT THEIR NAMES
TO MA'AM KIRAN BHAGNANI ON/BEFORE 18.02.2019**



**DEPARTMENT OF COMPUTER SCIENCE
SOPHIA GIRLS' COLLEGE
(AUTONOMOUS), AJMER**



is organising a

POSTER MAKING COMPETITION



Date: 25th February, 2019

Time: 10:00 AM

Venue : Computer Lab - III

**THE INTERESTED STUDENTS SHOULD SUBMIT THEIR NAMES
TO MA'AM NEHA SHARMA ON/BEFORE 18.02.2019**



**DEPARTMENT OF COMPUTER SCIENCE
SOPHIA GIRLS' COLLEGE
(AUTONOMOUS), AJMER**



is organising a

**Collage Making
Competition
&
Quiz**



**Date: 26th February 2019
10:00 AM**



Venue : Computer Lab - III

**THE INTERESTED STUDENTS SHOULD SUBMIT THEIR NAMES
TO MA'AM NEHA SHARMA ON/BEFORE 18.02.2019**

Report

Name of the Department: Computer Science

Name of the Activity:IT Week – IGNITE - 2019

Date:22th to 26th February 2019

Total Number of the Students:132

Venue: Computer Science Department, Sophia Girls' College (Autonomous), Ajmer

Report:The Department of Computer Science organized an IT Week from 22th to 26th February 2019. In which National Workshop on “IOT Ignite” was conducted on 22nd& 23rd February 2019 at 10:00 am in the College Seminar Hall. PowerPoint Presentation Competition was conducted on 24th February, where each disciple got a separate topic to challenge their presentation skills and they were judged on the basis of originality and creativity, organization of content, oral presentation etc. Poster Making Competition was conducted on 25th February 2019. The competition witnessed several strong ideas and messages, thereby fulfilling the objective of the competition. The suggested themes of the competition were: Computer Hardware, Robotics, IOT, Cyber Security etc. The Collage Making Competition and Quiz were conducted on 26th February. The competition emphasized on promoting a fun way of enriching the learning process and fostering team building. And all the students participated enthusiastically along with competitive spirit.

Learning Outcomes:

1. Improve or expanding one's knowledge in specific area.
2. Promotes a healthy competition amongst participants in order to learn from each other.
3. Aiding in the team building process.





Sophia Girls' College (Autonomous),
Ajmer

Certificate of Participation

THIS IS HEREBY GIVEN TO

Pooja Rawat

for her active participation in the IT Week which was organized by the
Computer Science Department from 24th to 26th February 2019

Sr. Pearl

Patron
DR. SR. PEARL

Rbhargava

Organising Secretary
DR. RITU BHARGAVA

Gautam

Convener
MR. GAUTAM CHATURVEDI



For Online Registration
www.sophiacollegeajmer.in

Reporting Date, Time & Venue:
 22nd & 23rd February, 2019, 9.00 a.m. onwards
 Sophia Girls' College, Ajmer (Autonomous)

CONTACT DETAILS

Please feel free to contact the executive members of the Workshop for any queries through:

Website
www.sophiacollegeajmer.in
e-mail
computerscience@sophiacollegeajmer.in
Contact No. 0145-2427243

Address for Correspondence

Mr. Gautam Chaturvedi
Convener
 Sophia Girls' College, Ajmer (Autonomous)
 Mobile : 9530259383
Dr. Ritu Bhargava
Organising Secretary
 Sophia Girls' College, Ajmer (Autonomous)
 Mobile : 9413994079

REGISTRATION FORM

Sophia Girls' College, Ajmer
 (Autonomous)
 Organizes a
 Two Day National Workshop on

IoTignite

22nd & 23rd February 2019

In Collaboration with
Computer Society of India

Name: Mr./Ms./Dr.
 (In Capital Letters)
 Designation:
 Department:
 Organization:
 Address for Correspondence:

 Mobile No.:
 E-mail ID:
 Educational Qualification:
 Accommodation Required: Yes/No
 Signature & Date:

2DAY NATIONAL WORKSHOP ON

IoTignite

22ND & 23RD FEBRUARY 2019



Organised by
**DEPARTMENT OF COMPUTER SCIENCE,
 SOPHIA GIRLS' COLLEGE, AJMER
 (AUTONOMOUS)**

In collaboration with



**COMPUTER SOCIETY OF INDIA
 UDAIPUR CHAPTER**

About Sophia Girls' College, Ajmer (Autonomous)

Sophia Girls' College, Ajmer (Autonomous) functions under the management of the Mission Sisters of Ajmer, a Sisterhood of Indian Women, dedicated to God and this enables them to impart a liberal and enlightened education in the upliftment of humanity. The Sophia Institution was founded in 1919 as a small Primary School towards educating girls from conservative families of the time. Gradually, it grew to a Middle-level and subsequently to a High-school; and in 1942 it was raised to Intermediate-level. Sophia College attained Degree Status in the year 1959 towards imparting higher education to the women community. Today, it has attained an Autonomous Institution status, permanently affiliated to Maharshi Dayanand Saraswati University, Ajmer. The faculties at Under Graduate level include – Arts, Science, Commerce, Management, Computer Applications, Honors in English and Economics, BLIS; and at Post Graduate level English, Computer Science, Geography, Political Science, Sociology, Chemistry and Commerce. Diploma Courses, Skill Enhancement and Career Development Courses and various outreach programs have been introduced by the college in every academic session. The lush green college campus spread over an area of 9.9 acres, has beautiful gardens, sports facilities, hostel, academic and administrative blocks.

Location

The College is located on Jaipur Road, Ajmer, Rajasthan at a distance of 1.5 Km from Ajmer bus stand and around 2.5 Km from Ajmer Railway station. It is connected to Jaipur by road through AC bus service and Rail through Shatabadi/Superfast trains. The city is surrounded by the famous Aravali Hills. Ajmer is internationally famous for the Lord Brahma Temple at Pushkar and Dargah Sharif at Ajmer.

About the Department

The Department of Computer Science was established in 2005 with Vocational Computer Applications and gradually grew by introducing Bachelor of Computer Applications and Master of Computer Science in 2007. The Department envisions building its reputation as one of the leading Under Graduate and Post Graduate Computer Science Departments in the nation in the areas of Computer Professionals, Web Developers and Software Engineers.

Objectives of the Workshop

The Internet of Things (IoT) is expanding at a rapid rate, and it is becoming increasingly important for professionals to understand what it is, how it works, and how to harness its power to improve business. In the workshop, we will examine the concept of IoT. We will explore the "things" that make up the Internet of Things, including how these components are connected together, how they communicate, and how they add value to the data generated. We will highlight and emphasize how IoT optimizes processes and improves efficiencies in business, education etc.

This workshop aims at providing an opportunity for participants to enrich their knowledge and skill in developing various solutions for solving engineering problems in the society. This program serves as a platform for Research Scholars, Faculty, Engineers and Students to interact on cutting edge technologies in IoT.

The Internet of Things (IoT) has evolved from the convergence of wireless technologies, microelectromechanical systems (MEMS) and the Internet. By connecting "things" in the real world such as cars, buildings, and industrial equipment, IoT promises to revolutionize how we live and work.

IoT is creating a giant network where all the devices are connected to each other and providing them with the capability to interact with each other. This will drive the automation to the next level where devices will communicate with each other and make decisions on their own without any human intervention. Every session of the workshop will comprise of awareness of Technology, Application Domain and Demonstrations of Small Application.

Following are the main objectives of the proposed workshop:-

- ▶ To educate and train the Faculty/Researchers/PG students about IoT.
- ▶ To state the development issues and security for providing the valuable information on emerging application and market trend in the field of IoT
- ▶ To acquaint the participants with Reve IoT Motherboard.
- ▶ To enhance their knowledge about Wireless Interface and controlling things.
- ▶ To equip them to construct Real time cloud applications.
- ▶ To introduce them to sensor devices
- ▶ To provide hands-on-training for the use of IoT projects.

Who can attend the Workshop?

Faculty, Students, Research Scholars and Industry Personnel can attend the Workshop.

Registration Fee

Professionals/Academicians	1000/-
Research Scholars/Students	750/-
Accommodation Fee	1200/- Per Person

Registration fee includes workshop participation kit and lunch. All the members who desire to attend the workshop must send their registration fee through any of the following modes:

1). **Demand Draft/Banker's Cheque:**
 Drawn in favour of Principal, Sophia Girls' College, Ajmer payable at Ajmer. The registration fee should be sent by speed post/registered post to the following address: Principal, Sophia Girls' College, Mirshali, Jaipur Road, Ajmer (Rajasthan) 305001.

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 A/c Name : Principal Sophia Girls' College, Ajmer
 Bank Name : Canara Bank
 Branch Name : Sophia Sr. Sec. School, Ajmer
 A/c No. 8469101012442
 IFSC Code : CNRB0008469
 (Kindly bring the receipt of your online payment)
 Registration fee is non refundable

PATRON
Dr. Sr. Pearl
(Principal)

CONVENER
Mr. Gautam Chaturvedi
(Head, Department of Computer Science)

ORGANISING SECRETARY
Dr. Ritu Bhargava

ORGANISING COMMITTEE MEMBERS
Mr. Jeetendra Mistry
Mrs. Neha Sharma
Mrs. Shubha Chaturvedi
Mrs. Kiran Bhagnani
Mr. Rishi Saxena
Mrs. Nidhi Yadav

Report

Name of the Department : Computer Science

Name of the Activity :Two Day National Workshop on IOT-IGNITE

Date:22nd and 23rd February 2019

Total Number of the Students:145

Venue : Seminar Hall , Sophia Girls' College (Autonomous), Ajmer

Resource Persons:

Prof. N. N. Jani, Director SKPIMCS, KadiSarvaVishwavidyalaya, Gandhinagar.

Prof. Kumkum Garg, Dean, Department of Informatics and Automation, BSDU, Jaipur.

Report : The Department of Computer Science in collaboration with Computer Society of India, Udaipur Chapter organized a Two Day National Workshop on IOT-IGNITE from 22nd and 23rd February

The workshop was inaugurated in a prayerful manner with the lighting of the lamp by Chief Guests Prof. Kumkum Garg Dean, Department of Informatics and Automation, Bhartiya Skill Development University , Jaipur the Guest of Honor Prof. N. N. Jani ,Director SKPIMCS KadiSarva Vishwavidyalaya, Dr. Sister Pearl, Principal Sophia Girls' College Ajmer (Autonomous), Mr. Gautam Chaturvedi Convener of the workshop and Dr. Ritu Bhargava , Organizing Secretary of the workshop.

Speaking on the occasion, Prof. Kumkum Garg enlightened the budding minds about IOT and skill based education. The cornerstone of this session was IOT and how big data is generated of which only 1% is useful, and how the security of this data is a challenge. Prof. N. N. Jani introduced the "IOT Domain Ignite". He changed the phrase "Teach me and I will learn" to "Involve me and I will learn". Prof. Arun K. Pujari, Vice Chancellor of Central University of Rajasthan emphasized that technological advancement is inevitable because it is the need of the time and has numerous advantages in our daily life.

Learning Outcomes:

1. Understand the significance of the Internet of Things.
2. Discuss the architecture, operation and business benefits of an IoT solution.
3. Explore the relationship between IoT, cloud computing, and big data.

