Rajarshi Shahu Mahavidyalaya (Autonomous), Latur

Academic Year (June 2019 to Nov 2019)

Activities Report of

Department of Computer science

Activity No-1

Particulars	Details
Name of activity	SWAYAM NPTEL Awareness Workshop
Beneficiaries of activity	UG /PG students of all Faculties
No of participants	180
Date	22 July 2019
Details of Activity	A "NPTEL Awareness workshop" was organised and conducted by Dr.R R Londhe , HoD of Department of Computer Science of Rajarshi Shahu Mahavidyalaya(Autonomous), Latur. This Program was conducted on 22-July-2019. She said that National Programme on Technology Enhanced Learning (NPTEL) is a project of MHRD initiated by seven Indian Institutes of Technology (Bombay, Delhi, Kanpur, Kharagpur, Madras, Guwahati and Roorkee) along with the Indian Institute of Science, Bangalore in 2003, to provide quality education to anyone interested in learning from the IITs. The main goal was to create web and video courses in all major branches of engineering and physical sciences at the undergraduate and postgraduate levels and management courses at the postgraduate level. She also inform to students that it is Largest online repository in the world of courses in engineering,basic sciences, and selected humanities

and social sciences subjects. She has given information that Online web portal

is http://nptel. ac.in .

She said in her awareness program that there are online courses of 4 , 8, or 12 week., typically on topics relevant to students in all years of higher education along with basic core courses in sciences and humanities with exposure to relevant tools and technologies, are being offered. The enrolment to and learning from these courses involves no cost. An in-person, proctored certification exam (optional) will be conducted at Rs. 1000/- per course and a certificate is provided through the participating institutions and industry, when applicable. She demonstrate the procedure of registering to NPTEL online course. The workshop was very informative and fruitful for the students. Vote of thanks are given by Mrs. K. M. Pradhan of Department.

Activity No-2

Particulars	Details
Name of activity	FDP on Cyber Security
Beneficiaries of activity	Asst. Professors /Teachers of near by Area
No of participants	55
Date	16 September 2019 TO 21 September 2019
Details of Activity	A highly informative faculty development program on "Cyber Security "was conducted It is jointly organized by Resource Centre in Cyber Security and Data Sciences, Shivaji University, Kolhapur and Department of Computer Science of our college under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching

Outcomes	(PMMMNMTT) from 16-09-2019 to 21-09-2019. The event sponsored by MHRD was held in the Computer Science Department. Valuable talks on various topics by eminent Professors from reputed institutions and industries marked the content of this one week program.

DAY 1 16-09-2019

On 16-09-2019 a speech on "importance of security in cyber space"by Shri Amol Bagal Master Trainer & Business Development Manager (BDM) for TATA Communication, IT Security Services and Solutions and Lead Trainer at IQSPL. He had given a complete picture about the concerned topic with clear explanations about its definition, objectives, origin with a detailed description of the networking concepts, working with linux commands and installation process.
The afternoon session of the day was devoted to a talk by Mr. Bagal The topic was "Basic GNU/Linux "and it was very much interesting as it had a spontaneous interactive mode placed on. Mr bagal introduced about the Kali Linux, basics of Kali Linux, Linux Commands were put forward in all their dimensions thereby leading to a better understanding.

DAY 2 17-09-2019

The Faculty Development Programme was inaugurated on the second day by the auspicious hands of Honourable Dr. Gopalraoji Patil, President Shiv Chhatrapati Shikshan Sanstha, Latur in presence of Principal of college Dr Mahadev Gavhane , Vice-principals Dr A. J. Raju , Dr E U Masumdar .

The second day was dedicated to the understanding about ethics of hacking, process of hacking, collecting information about target for hacking and practical based group activity. |

In afternoon session we had information about Ethical hacking, information gathering and scanning for ethical hacking, installing the virtual box 6.0.12 wizard, checking of IP addresses, prevention of bank frauds and website attacks through social engineering and cloning of the websites.

At the end of second day we had the group activity concentrating the live machine enumeration.

DAY 3 18-09-2019

Third day had a fresh start with a session on "Vulnerability Assessment "put forward by the resource person Mr Sahil Gaikwad. He had explained how to find loopholes in the website, attacking vulnerable services/os and practical based group activity, the vulnerability assessment exploitation;
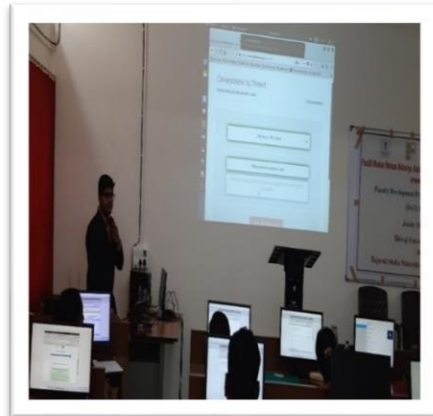

In afternoon session he focused on the identifying duplicate domains of websites and showed us how the CCTV cameras can be hacked and protection of this hacking. At the end of third day we had a metasploit group activity about live machine exploitation, and attacking with Tbomb to mobile and email accounts.

DAY 4 19-09-2019

The fourth day was reserved for android mobile phone hacking, understanding how to implement encryption on your data using

cryptography technique , implementing browser based security for safe internet experience.

Afternoon session was started with speech on "Malware Security" understanding Indian cyber laws. At the end of fourth day we had question answer session and there Sahil sir taught us about downloading movies and books from the internet freely.

DAY 5 20-09-2019

The fifth day was concentrated on prevention of bank frauds, understanding the work of web based applications, finding loopholes in web based services like net banking, online shopping, exploiting sql and practical based group activity.

In the second session of the fifth day Sahil sir also explained about the importance of Antivirus in the computer and mobile. On fifth day we had visit to some of our departments namely Physics and Electronics, CEP, Language laboratory, Conference hall, Examination section, IQAC, Placemat Cell, Library and Chemistry and Analytical Chemistry wherein participants observed the work going on in the college.

DAY 6 21-09-2019

On final day we have sessions by Mr. Amol Bagal, wherein we understood the working of web applications, identifying the loopholes in web based services, File Upload Exploit, Parameter Tampering.

At the end of final day we had Valedictory function and question answer session followed by "Browser Security" and "Mobile Security". At the end of session a online exam was conducted by resource person.

Activity No-3

Particulars	Details
Name of activity	Guest Lecture on Cyber Security and Ethical Hacking
Beneficiaries of activity	UG /PG students of B.Voc. , B.Sc. , M.Sc CS
No of participants	120
Date	20 September 2019

| Details of Activity | A highly informative Guest Lecture on "Cyber Security" was conducted by Mr. Sahil Gaikwad who is Ethical hacker and python developer in IQSPL, Pune. This Program was conducted on 20-Sep-2019 by Computer Science Forum, Dept. of Computer Science of Rajarshi Shahu Mahavidyalaya, Latur for awareness of Cyber Security and Ethical Hacking. The Guest Lecture Programme was inaugurated by the auspicious hands of Honourable Dr.R.R.Londhe Head, Dept. of Computer Science. This program was introduced by Prof. K. M. Pradhan. The introduction started with information about college, department and Computer science forum as well as biography of Mr.Sahil Gaikwad has been given. Dr. R.R.Londhe welcome Mr.Sahil Gaikwad and Mr.Akash Bayas President of Computer Science Forum. After that Mr. Sahil Gaikwad Firstly Introduce - What is hacking? What are the types of hacking. He also explained white hat hacking, black hat hacking and gray hat hacking. He had given a complete picture about the Ethical hacking and says that "If you want to become a hacker give priority to python programming". According to him, Now a day's industry also recommends python programming. He said that "While you are in learning phase you should give importance to programming language as well as shell commands in Linux.Shell is mostly used in networking." He said that please visit company website when you visit to any company. To learn Cyber Security you have to learn Basics of Ethical Hacking, Networking and Security.You must have basic idea about kali Linux. Kali Linux is mostly used for security testing. For mobile security he said in his lecture that you should update your mobile as well as mobile browser. There are 73 students attended the program. Ethical hacking gives you a very big |

	opportunity in future. Vote of thanks are given by Miss Sayyad Iqra of Department.

Activity No-4

Particulars	Details
Name of activity	Guest Lecture on Digital Image Processing
Beneficiaries of activity	B.Sc, M.Sc CS Students
No of participants	126
Date	17 October 2019
Details of Activity	A highly informative Guest Lecture on "Digital Image Processing" was conducted by Dr. V. T. Humbe who is Director ,School of Computational Sciences, Sub-center ,Latur (Peth). This Program was conducted on 17-Oct-2019 by Computer Science Forum, Dept. of Computer Science of Rajarshi Shahu Mahavidyalaya, Latur for Awareness of Digital Image Processing.

The Guest Lecture Programme was inaugurated by the auspicious hands of

Honourable Dr. V. T.Humbe Director ,School of Computational Sciences, Sub-center ,Latur (Peth).This program was introduced by Prof. Dr. R. R. Londhe. The introduction started with information about college, department and Computer science forum as well as biography of Dr. V. T. Humbe has been given.

The Forum was introduced by President of Computer Science Forum Mr. Akash Bayas and Proposed plans of computer science forum has been |

given by him for the academic year 2019-20. Principal Dr. M.H.Gavhane welcome Dr. V. T. Humbe Sir.

Dr. V. T. Humbe emphasized on importance of basic fundamental steps in digital image processing, components of an image processing system, a simple image formation model, image sampling and quantization, relationships between pixels, imaging Geometry, image enhancement in the spatial domain, gray level transformations, and histogram processing, smoothing and sharpening spatial filters. The lecture was very interactive in which the students actively took part to enhance their knowledge about Image Processing. This was very fruitful lecture on the topic. There were total of 85 participants, who attended the lecture.

Activity No-5

Particulars	Details
Name of activity	Comp. Sci Forum Inauguration and Poster Presentation
Beneficiaries of activity	UG /PG students of all Faculties
No of participants	120
Date	17 October 2019
Details of Activity	The inaugural ceremony of Computer Science Forum was held on 17th October, 2019 at Auditorium. The Principal of the College, Dr. M. H. Gavhane, Vice Principal Dr. E. U. Masumdar and all members of the staff from Department of Computer science and students were present at the function. Mr.Hrishikesh Bansode and Ms. Shireen Shaikh. Semester I students anchored the event. The function started by lightening the lamp with the auspicious hands of Dr. V.T Humbe, Dr. M. H. Gavhane, Vice Principal Dr. E. U. Masumdar. President of forum was presented with a speech specifying the upcoming activities of the association and the objectives for conducting the same. As a part of inauguration, chief guest entered in the hall by cutting the ribbon and declared the function is inaugurated. Dr. R. R. Londhe gives the introduction of chief guest Dr. V. T. Humbe. All dignitaries of the function felicitate the student members of the forum as a symbol of opening association for the year. The Chief Guest Dr. V. T. Humbe motivate the students by the spiritual words. The Principal Dr. M.H. Gavhane , vice Principal Dr. E.U.Masumdar showered his blessings by few words of inspiration and guided students to create their own identity.

POSTER PRESENTATION:

Poster Presentation Competition was conducted in Auditorium from 12.00 a.m. to 4.00 p.m. A total of 55 teams of UG and PG has participated in the competition . The whole event was conducted with great zeal and enthusiasm. Every team came out with new creativity and ideas. It was a proper blend of technologies and its consequences.Dr. V. T. Humbe Director , School of technology, SRTM University Sub-center ,Latur ,was invited as special guest. Organizers thanked him for his presence which boosted all the teams and everyone participated with great energy.The event continued for 4 hour and at the end Dr.Abhijit Yadav ,Assistant Professor , Department of Physics, Rajarshi Shahu Mahavidyalaya (Autonomous), Latur and Dr. Rohini B. Shinde , Assistant Professor , Department of Computer Science, Dayanand Science College,Latur were invited for judgment. He judged all the teams on different criteria such as Creativity, Demonstration, Content and Confidence. Finally the team of

Shaikh Sultan from PG and Shaikh Shireen from UG stood 1st .At last a Thanking Letter was presented to judges

Activity No-6

Particulars	Details
Name of activity	One day workshop "Women Empowerment through Digital Literacy"
Beneficiaries of activity	Females from near by Area
No of participants	387+(60 staff)
Date	17 December 2019

Details of Activity	

State Women Commision of Maharashtra and Rajarshi Shahu Mahavidyalaya Latur (Autonomous) came together to increase digital literacy among rural women. Their initiative, develops local women trainers to train other women on how to use the internet, which in turn helps them improve their income and overall quality of life. The workshop is organised by Department of Computer Science on 17 December 2019, empowering women to become entrepreneurs and service providers in their communitie.

In the First session ,The Workshop was inaugurated by the auspicious hands of Honourable Dr. Gopalrao Patil, Mrs. Ashatai Bhise Ex member of State Women Commision of Maharashtra. After that the welcome ceremony is organized.The resource person for the Workshop was Mrs Archana Somani.

This program was introduced by Prof. Dr. R. R. Londhe. The introduction started with information about Department and aim of workshop. Principal of College introduce the College.

After speeches of dignitaries. Presidential address was given by Dr. Gopalrao Patil in inaugural Function.

Although the Digital India Mission is aimed at bridging the digital divide across all sections of the society, the digital literacy programmes led by our college has been attracting women in significant numbers from all segments of the society. Whether

	they have had to curtail their education plans or could not pursue careers or got relegated in their families, when it came to access to digital devices because of the traditional hierarchy of priority status accorded to various members of the family, digital literacy mission is providing them with an avenue to come out of the shadows and establish equal status in the digital space. There were 385 women present for the workshop and 60 college staff members are also attended and benefited from the workshop.Vote of thanks are given by Mrs. Kiran M. Pradhan of Department. With the current mission of the workshop to make womens digitally literate, the primary stakeholder who would benefit most from the orientation and exposure they would get, would be the women.