

Report of

Faculty Development Programme

**“Introduction to Programming:
A Pedagogical Approach”**

17-22 June 2019

Conducted at

Devi Ahilya University, Indore

in collaboration with

E&ICT ACADEMY, IIITDM, JABALPUR

**Prof. Dr. Maya Ingle,
Remote Centre Coordinator,
SCSIT, DAVV, Indore**

**Ms. Pritika Bahad,
Local Coordinator,
SCSIT, DAVV, Indore**

**Mr. Himanshu Kamal Verma,
Lab Faculty Incharge,
SCSIT, DAVV, Indore**

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1. Introduction:

Imparting practical industry oriented training to the students is essential in the current scenario for increasing employability. Bridging the skill gap between industry and institute is the need of the day, especially for emerging fields like computer science. The students and faculty must be aware of the latest technological advancements and industry environment. But at the same time core programming concepts also play an important role for the pavement of the bright future to be a successful developer. To develop a clear understanding of Programming concepts the Devi Ahilya University opted to be the nodal center of E&ICT Academy, IIITDM, Jabalpur for Summer course of **“Introduction to Programming: A Pedagogical Approach”**. The IIT Kanpur being the principal coordinating Academy of the course hosted all the lectures in the form of webinar.

2. Lecture summary:

The course was designed to orient the faculty on various generic aspects of teaching learning, instructional methodologies, and assessment and evaluation techniques to be used for a Programming course. In the various sessions participants were gained with the knowledge of programming constructs and real time exemplary problems to be discussed to develop students' interest for programming.

The lectures were delivered by following experts:

S. No.	Name	Title
1	Prof. Amey Karkare	Inauguration and introduction
2	Prof. Amey Karkare	Methodology
3	Prof. Amey Karkare	Basics of Programming
4	Prof. Amey Karkare	Conditionals and Branching
5	Prof. Rajat Mittal	Loops
6	Prof. Rajat Mittal	Arrays
7	Prof. Rajat Mittal	Function
8	Prof. Rajat Mittal	Recursion
9	Prof. Rajat Mittal	Execution Time, Data Structures
10	Prof. Rajat Mittal	Testing, Debugging, Evaluation



Participants attending Theory Sessions

Each day theory sessions are complemented with Lab sessions. All the participants undertook the exercises on daily basis. All participants registered and used the CANVAS portal to submit solutions of exercises. The lab sessions had two parts. In Part 1 from 2.30 PM -4.00 PM an assignment is uploaded on the CANVAS portal. Participants submit the solution in the said time duration. exercises for all the participants to undertake on a daily basis.



Participants attending Lab Sessions

During Part 2 of lab session (from 4.00PM -5.30 PM),the Peer-Review is done and participant get comments on solutions submitted. submitted in the space provided. Towards the end of each of these exercise, a discussion on the outcomes of the exercise is carried out by Mr. Himanshu Kamal Verma, local coordinator/instructor.



Participants attending Discussion session

3. Conclusion

Concluding remarks was presented by Prof. Dr. Maya Ingle, Remote Centre Coordinator, DAVV, Indore of the workshop. All the sessions were very much informative. The discussed areas are of great benefit for the participants as the topics match with the current working domain. Participants also shared their learning experiences during the velidictory session.



The program was ended with vote of thanks by Ms. Pritika Bahad, Local Coordinator of the FDP.

Coordinating Team:

S.No.	Name	Responsibility	Affiliation
1.	Prof. Maya Ingle	Remote Centre Coordinator, DAVV, Indore NKN/VC facility (technical/ resource person)	School of Computer Science & IT, DAVV, Indore
2.	Mrs. Pritika Bahad	Coordinator at remote centre	School of Computer Science & IT, DAVV, Indore
3.	Mr. Himanshukamal Verma	Lab-faculty-In-charge	School of Computer Science & IT, DAVV, Indore
4.	Head	Lab Facility(Technical/resource person)	School of Computer Science & IT, DAVV, Indore
5.	Head	Institute overhead expenses(include part support of NKN/VC/Dept-Labs)	School of Journalism & Mass Communication, DAVV, Indore
6.	Head	Institute overhead expenses(include part support of NKN/VC/Dept-Labs)	IT Center, DAVV, Indore
7.	Mr. Rajesh Yadav	NKN/VC faculty in charge	IT Center, DAVV, Indore

DEVI AHILYA VISHWVIDYALAYA, INDORE

REVISED SCHEDULE OF SUMMER COURSES (MAY-JULY 2019)

FOR FACULTY MEMBERS & RESEARCH SCHOLARS IN COLLABORATION WITH E&ICT ACADEMY IIIT DM JABALPUR Conduct of Courses at DAVV

Following are the programmes being offered in this Summer, May –July 2019:

S.No.	Course Name	Local Coordinator	Course Duration	Contact (e-mail id)
1	Deep learning and applications	Dr. Nitin Nagar IIPS	27 -31 May 2019	nitin28nagar@gmail.com 9826856519
2	Advancements in Signal Processing and Optimization Techniques	Dr. Vivek Shrivastava IIPS	3 -7 June 2019	shrivastava.vivex@gmail.com 9754086330
3	Introduction to Programming: A Pedagogical Approach	Mrs. Pritika Bahad SCSIT	17-22 June 2019	bahad.pritika@gmail.com 9981344415
4	Robotics & AI	Mr. Pradeep Jatav IIPS	24-28 June 2019	p.jatav84@gmail.com 9713038949
5**	VLSI Chip Design Hands on using open source EDA	Dr. Manju K. Chattopadhyay School of Electronics	8 -12 July 2019	manju.elex@gmail.com 9926101942

Target Beneficiaries:

**New course added

Interested Faculty/Research Scholars of engineering/technical institutions are eligible to attend these summer courses.

Availability of seats at each offering Academy:

Twenty (20) seats are available for each summer course to be offered at **DAVV, Indore**. Participants will be selected based on **first-cum-first-serve basis** by each academy. Selected participants will be communicated through e-mail / notified in E&ICT Academy websites.

Course duration:

Each course is designed as 3 credit equivalent for 40 hours (Theory Lectures, Hands-on/Design orientation/Activity linked problems/Assignments Problem Solving/Case Studies sessions/Quiz Tests)

Accommodation:

Participants will have to bear their own expenses for travel, boarding and lodging. At this centre, only working lunch and snacks will be provided.

Registration Fee for each Summer Course:

No Registration fee is charged for attending this programme planned at any designated academies/Remote centres. However, candidate should submit a Demand Draft of Rs.1000/- along with application form and the same will be handed over to the participant on the last day of the training. Certificate for participation as well as for Satisfactory performance will be given to the participants subject to fulfillment of attending all sessions, submission of assignments and clearing the test(s).

Mode of Payment:

S.No.	Course Name	Principal Coordinator - Academy Name	Payment through DD	IIITDM Jabalpur (Local Coordinator Details)
1	Deep learning and applications	IIT Roorkee	Demand Draft in favor of " Dean SRIC IIT Roorkee " payable at Roorkee	Prof. Aparajita Ojha aojha@iiitdmj.ac.in
2	Advancements in Signal Processing and Optimization Techniques	MNIT Jaipur	Demand Draft in favor of " Electronics and ICT Academy, MNIT Jaipur " payable at Jaipur	Dr. Prabin Padhy prabin16@iiitdmj.ac.in
3	Introduction to Programming: A Pedagogical Approach	IIT Kanpur	Demand Draft in favor of " Director, IIT Kanpur " payable at Kanpur	Dr. Atul Gupta atul@iiitdmj.ac.in
4	Robotics & AI	IIITDM Jabalpur	Demand Draft in favor of " Electronics and ICT Academy, IIITDMJ " payable at Jabalpur	Prof. V. K. Gupta vkgupta@iiitdmj.ac.in
5**	VLSI Chip Design Hands on using open source EDA	IIT Guwahati	Demand Draft in favor of " Registrar, IIT Guwahati " payable at Guwahati	Prof. V. K. Gupta vkgupta@iiitdmj.ac.in

How to apply:

- * A duly filled in application form in the prescribed form signed by the Head of the Institute/ Research Supervisor (in case Research Scholar) to which candidate belongs (along with demand draft) should be submitted to local coordinator of SCSIT,DAVV, Indore and **also a copy of it is to be mailed to the local coordinator of IIITDM Jabalpur**.
- * Government of India norms will be followed for SC/ST category participants.
- * The application form along with DD can also be submitted in the online mode to Local Coordinator of the respective academy.

Last Date for Submission of Applications and Intimation of Selection:

Last Date for Submission of Applications is Monday of earlier week from the start date of respective programme.
The intimation of Selection for participation will be posted on website on Wednesday of previous week.

**New course added

Dr. Maya Ingle
(Remote Centre Coordinator, DAVV, Indore)

DEVI AHILYA VISHWAVIDYALAYA, INDORE
NKN SUMMER COURSES (JUNE 2019)
FOR

FACULTY MEMBERS & RESEARCH SCHOLARS
IN COLLABORATION WITH
E&ICT ACADEMY IIIT DM JABALPUR

Course Name : Introduction to Programming : A Pedagogical Approach

17 June 2019 to 21 June 2019

Revised Updated List of Participants

S. No.	Name of Participant	Designation	Department/University	E-mail ID
Faculty/ Research Scholar				
1	Dr. Yasmin Shaikh	Faculty	IIPS, Devi Ahilya University, Indore	yasminshaikh01@gmail.com
2	Dr. Archana Thakur	Faculty	SCSIT, Devi Ahilya University, Indore	archna_scs@yahoo.in
3	Dr. Deepak Abhyankar	Software Engineer	SCSIT, Devi Ahilya University, Indore	deepak.scsit@gmail.com
4	Mrs. Pritika Bahad	Faculty	SCSIT, Devi Ahilya University, Indore	bahad.pritika@gmail.com
5	Mr. Himanshukamal Verma	Faculty	SCSIT, Devi Ahilya University, Indore	himanshuk.verma1990@gmail.co
6	Mr. Jitenra Gora	Research Scholar	SCSIT, Devi Ahilya University, Indore	jkgora.csmitm@gmail.com
7	Patil Manoj Bhaskarrao	Faculty	RCPET's IMRD, Shirpur	manojpatil75@gmail.com
8	Bide Sumit Kailas	Faculty	RCPET's IMRD, Shirpur	sumit.bide@gmail.com
9	Pawar Vishal Arun	Faculty	RCPET's IMRD, Shirpur	vishal.imrd@rediffmail.com
10	Goje Swapnil Purushottamrao	Faculty	RCPET's IMRD, Shirpur	swapnil.pgoje@gmail.com
11	Ms. Pratiksha Nigam	Research Scholar	SCSIT, Devi Ahilya University, Indore	87pratiksha@gmail.com
12	Dr. D. K. Panchal	Faculty	School of Mathematics,Devi Ahilya University, Indore	dkuma_panc@yahoo.co.in
13	Mr. Amit Kanojia	Research Scholar	SCSIT, Devi Ahilya University, Indore	kamit.ind@gmail.com
14	Mr. Devam Baghel	Research Aspirant	Devi Ahilya University, Indore	dev.baghel1234@gmail.com
15	Ms. Divya Kumawat	Faculty	Atharva college of Engineering, Mumbai	divyakumawat@atharvacoe.ac.in
16	Ms. Sejal Mishra	Faculty	IIPS, Devi Ahilya University, Indore	sejalmishra918@gmail.com
17	Dr. Preeti Saxena	Faculty	SCSIT, Devi Ahilya University, Indore	preeti_ms@rediffmail.com
Student Participants				
1	Mr. Adeen Shukla	Student	IIPS, Devi Ahilya University, Indore	adeen@adeen.me
2	Mr. Ayush Sharma	Student	IET, Devi Ahilya University, Indore	2000ayushaws@gmail.com