



Report on

Three Day Student's Workshop on "Introduction to MATLAB & its applications" Organized by the Department of Applied Electronics & Instrumentation Engineering, RCC Institute of Information Technology and Financially Sponsored by TEQIP II

The Department of AEIE, RCCIIT organized three day student's workshop on "Introduction to MATLAB & its Applications" from 24.02.2016 to 26.02.2016 at the Institute Campus.

The inaugural and the theoretical sessions of the said program were conducted in the class room N-416 of the Department, (located in the new building) while the practical cum hands on sessions were carried out in different laboratories of the department namely Software Simulation Lab (N017), Instrumentation and Control Design lab (N408) of Applied Electronics and Instrumentation Engineering Department & software simulation lab(016) of Electrical Engineering department. We are thankful to the department of EE,RCCIIT for the sharing of their simulation lab,N-016 to conduct the workshop smoothly.

The workshop was intended for the third (3rd) year students of various departments of RCCIIT. The total intake of the student participants was limited to sixty (60). The workshop was attended by sixty two (62) students due to the request from MCA department.

The inaugural session was enriched by the auspicious presence of our Respected Principal Sir, Prof. (Dr.) Arup Kumar Bhaumik, Respected Dean of Student Affairs Sir, Dr. Prasanta Narayan Dutta, Head of the AEIE Department, Mr.Debabrata Bhattacharya.

The first session was on the introduction to MATLAB along with hands on session conducted by the Head of the Department of AEIE. Post lunch session on the first day was again a hands on session on mathematical operations using MATLAB with different programming examples etc. Session was conducted at N016 & N017.

On the second day, the students attended two consecutive lecture sessions along with hands on session on basic programming in MATLAB & graphics handling in MATLAB at N016 & N017.

On the last day of the workshop, first session was conducted on Fuzzy logic control in MATLAB .Post lunch session was conducted by Mr. Debajit Sen, Application Engineer (MATLAB), Elmax Projects & seminar Pvt. Ltd. He had conducted the session with several application demonstrations in the field of robotics, signal processing etc.

Special effort was given to the fact that the students could gain concepts regarding the basic programming of MATLAB. They were informed about the various applications that can be developed and implemented for practical problems.

After the final session on the third day, students assembled at Room No N416 for the Evaluation Test followed by the Feedback Session. During the concluding session, Vote of Thanks was given by the Head of the Department, AEIE and the suggestions/remarks of the students were noted down.

Enclosed Annexure I- Program schedule

Annexure II- Pictures of the said workshop.

Annexure III-Participant List

THREE DAYS STUDENT WORKSHOP ON
“INTRODUCTION TO MATLAB AND ITS APPLICATION”

(Sponsored By TEQIP – II)
24th February– 26th February, 2016

Programme Schedule

Annexure I

<i>Date</i>	Duration	Activity
24th February	10.00 AM – 11.00 AM	Registration
	11.00 AM – 11.30 AM	Inauguration
	11.30 AM-11.45 AM	Tea Break
	11.30 AM – 1.00 PM	Session 1- Lecture on “Introduction to MATLAB” along with Lab Session by Mr. D BHATTACHARYA
	1.00 PM – 2.00 PM	Lunch
	2.00 PM - 3.15 PM	Session 2 - Lecture on “Mathematical operation using MATLAB- Part I” along with Lab Session by Mr. A PAUL
	3.15 PM- 3.30 PM	Tea Break
	3.30PM-5.00 PM	Session 3 - Lecture on “Mathematical operation using MATLAB- Part II ” along with Lab Session by Mr. U MONDAL
25th February	10.00 AM – 11.30 AM	Session 4- Lecture on “Programming using MATLAB” along with Lab Session by Mr. U MONDAL
	11.30 AM-11.45 AM	Tea Break
	11.45 AM- 1.00 PM	Session 5 - Lecture on “Programming using MATLAB” along with Lab Session by Mr. U MONDAL
	1.00 PM – 2.00 PM	Lunch
	2:00 PM – 3.30 PM	Session 6 - Lecture on “Introduction to MATLAB Graphics ” along with Lab Session by Ms. N DEY
	3.30 PM-3.45 PM	Tea Break
	3.45 PM- 5.00 PM	Session 7- Lecture on “Introduction to MATLAB Graphics ” along with Lab Session by Ms. N DEY

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RCC Institute of Information Technology
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26th February	10.00 AM – 11.00 AM	Session 8 -Lecture on “Introduction to controller design ” along with Lab Session by Mr. U Mondal & Mr. A Ghosh
	11.00 AM-11.15 AM	Tea Break
	11.15 AM- 12.30 PM	Session 9 -Lecture on “Introduction to controller design ” along with Lab Session by Mr. U Mondal & Mr. A Ghosh
	12.30 PM-1.00PM	Quiz session
	1.00 PM – 2.00 PM	Lunch
	2:00 PM – 3.30 PM	Session 10- Hardware demonstration Session by Industry Expert
	3.30 PM-3.45 PM	Tea Break
	3.45 PM- 4.30 PM	Session 11- Hardware demonstration Session by Industry Expert
	4.30 PM to 4.45 PM	Feedback collection
	4.45 PM to 5.00PM	Vote of Thanks by Mr. Debabrata Bhattacharya, HOD, AEIE & Certificate distribution

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Annexture II



Figure1: Inaugural Speech of Respected Principal Sir, RCCIIT



Figure2: Speech of Respected Dean student affairs, RCCIIT



Figure3: Session of HOD Sir, Dept. of AEIE, RCCIIT



Figure 4: Lecture Session along with hands on session



Figure 5: Students attending the hands on session



Figure 6: Hardware demonstration Session of Mr. Debajit Sen, Application Engineer (MATLAB), Elmax Projects & seminar Pvt.Ltd.

Annexure III

Sl. No.	Name of Student	University Roll No.	Year
AEIE Department			
1	SUBHASISH BHATTACHARJEE	11700513047	3 rd
2	RAJARSHI MITRA	11700513027	3 rd
3	RAUNAQ SAHA	11700513028	3 rd
4	UPHAR ROY	11700513054	3 rd
5	SUBHAM MUKHERJEE	11700513045	3 rd
6	SOUVIK DE	11700513044	3 rd
7	PRANABESH DEY	11700513024	3 rd
8	SHIBASISH MOHALANOBISH	11700513040	3 rd
9	SUBHANKAR DE	11700513046	3 rd
10	SATAPARNA MAULIK	11700513036	3 rd
11	ROHAN ROY	11700513031	3 rd
12	ANKITA MUKHERJEE	11700513005	3 rd
13	ANINDITA PAUL	11700513004	3 rd
14	UDDALOK CHATTERJEE	11700513053	3 rd
15	SUJOY BASAK	11700513049	3 rd
16	GOBINDA KAYAL	11700513016	3 rd
17	MRIDUL SANPUI	11700513020	3 rd
18	ANAND KUMAR RAI	11700513003	3 rd
19	MOULI SAHA	11700513019	3 rd
20	ABHIRUP DAS	11700513001	3 rd
21	AVIJIT DEY	11700513010	3 rd
22	DEBAJYOTI SEN GUPTA	11700513013	3 rd
23	RUPKATHA CHAKRABORTY	11700513033	3 rd
24	BIJOY DAS	11700513012	3 rd
25	ARPAN ROY	11700513008	3 rd
26	SHAILEYEE BAKSI	11700513037	3 rd
27	DISHAREE SAHA	11700513015	3 rd
28	SAMPURNA SAHA	11700513034	3 rd
29	MEHENDI ROY	11705514042	3 rd
30	ARINDAM DAS	11705514039	3 rd
Sl. No.	Name of Student	University Roll No.	Year
31	MAUSHUMI MANDAL	11700513018	3 rd
32	TITHI SARDAR	11700513050	3 rd
33	AYUSHI ROY	11700513011	3 rd

34	SUDIP MAZUMDER	11700513048	3rd
35	NILESH MAJUMDAR	11700513021	3rd
36	CHIRANJIT DUARI	11705514040	3rd
37	RITAM DHOLAY	11700513029	3rd
38	SONALI PANDIT	11700513042	3rd
39	AVIDIPTA DE	11700513009	3rd
40	ARISHA GHOSH	11700513007	3rd
41	ROHAN GUIN	11700513030	3rd
42	SOURAV BARDHAN	11700513043	3rd
43	JUNESH BASAK	11705514041	3rd
44	SOMOBRATA GHOSH	11700513041	3rd
45	SHATABHISHA MAITY	11700513039	3rd
46	SHARMISTHA DAS	11700513038	3rd
47	SANKALPA SAHA	11700513035	3rd
48	RONIT KUMAR BISWAS	11700513032	3rd
49	PALLAVI PRIYA	11700513022	3rd
50	VIDYA VASINEE	11700513022	3rd
51	MRINMOYEE BHOWMIK	11705514021	2nd
52	DEBOSRUTI BHATTACHARYA	11705514014	2nd
EE Department			
53	SURYA GHOSH	EE/2012/030	4th
54	SATYAKI CHOWDHURY	EE/2012/035	4th
55	RANIT SARKAR	EE/2012/056	4th
56	SANCHARINI BANERJEE	EE/2012/057	4th
57	SUBHADEEP DOLAI	EE/2012/014	4th
58	SAIF ANWAR	EE/2012/024	4th
59	ANIK JANA	EE/2012/021	4th
MCA Department			
60	KRISHNENDU PAUL	MCA/2014/011	2nd
61	POULAMI MUKHERJEE	MCA/2014/010	2nd
62	DIPAN MITRA	MCA/2014/012	2nd