

**KONGU ENGINEERING COLLEGE, THOPPUPALAYAM,
PERUNDURAI, ERODE - 638 060**

ACCOUNT SETTLEMENT FORM

(Function / Events Conducted @ KEC)

<u>Association</u>	<u>Value Added Course</u>	<u>IIPC</u>	<u>Others :</u>
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DATE : 05.08.2022

Department	: <u>Mechanics Engineering</u>		
Name of the Function / Event	: <u>One Credit Course on "Robot Operating System - 18VAC21" - Batch</u>		
Function In-charge	: <u>A. Balaji</u>		
Date of Function / Event	: <u>16.04.2022 to 31.06.2022</u>		
Date of proposal	: <u>13.04.2022</u>		
Amount sanctioned	: ₹. <u>19,800/-</u>		
Amount Collected from Participants (if any)	Amount (A) ₹. <u>16,800/-</u>	Service Tax (B) ₹. <u>-</u>	Total (A + B) ₹. <u>16,800/-</u>
	Receipt No. & Date	<u>188A to 1911 to 29.07.2022</u>	
Advance amount Received & Date	: ₹. <u>- Nil -</u>	Date: <u>- NA -</u>	
Total expenses	: ₹. <u>16,800/-</u>		
Balance amount Remitted	: ₹. <u>- Nil -</u>	Receipt No. <u>- NA -</u>	Receipt Date <u>- NA -</u>
Amount Claimed (if any)	: ₹. <u>16,800/-</u>		
Amount to KEC / IIPC	: ₹. <u>- Nil -</u>	Percentage (%) <u>- NA -</u>	

A. Balaji 05/08/2022
FACULTY INCHARGE
(WITH NAME) (A. Balaji)

[Signature]
HOD 05/08/2022

CCO

For Office use only

SUPERINTENDENT

A.R.

REGISTRAR



KONGU ENGINEERING COLLEGE
(Autonomous)
PERUNDURAI, FRODF - 638 060



Est'd 1984

DEPARTMENT OF MECHATRONICS ENGINEERING

ONE CREDIT COURSE ON 18VAC21 ROBOT OPERATING SYSTEM

Handled by: Industrial Experts from Caterpillar Inc.
RMZ millennium Park 2, Chennai.

Department: MECHATRONICS ENGINEERING

Title of Event: One Credit Course on "18VAC21 ROS OPERATING SYSTEM"

Date of Event: 16.04.2022 to 31.06.2022

Year Section: III Year (A Section) 6th Semester 2021 - 2022

Staff: c. Dr. B. Meenakshipriya & Mr. A. Balaji

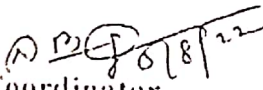
BILL LIST [AMOUNT PAID TO COLLEGE OFFICE]

Sl. No.	ROLL NUMBER	NAME OF THE STUDENT	BILL RECEIPT No. & DATE	BILL AMOUNT in Rs.
1	19MTR001	ABU CHANDAR K	29.07.2022 & 1884	Rs.600/-
2	19MTR005	AKSHAY KANNAN R	29.07.2022 & 1885	Rs.600/-
3	19MTR006	ARAVINDHAN D	29.07.2022 & 1886	Rs.600/-
4	19MTR009	ASHWIN GUHAN S	29.07.2022 & 1887	Rs.600/-
5	19MTR010	BALAGURU C	29.07.2022 & 1888	Rs.600/-
6	19MTR011	DANY ROHITH R S	29.07.2022 & 1889	Rs.600/-
7	19MTR017	DEVA DHARSINI G	29.07.2022 & 1890	Rs.600/-
8	19MTR013	DIHANSU CHAKKARAVARTHY M	29.07.2022 & 1891	Rs.600/-
9	19MTR014	DHILIPATHI SIVA M	29.07.2022 & 1892	Rs.600/-
10	19MTR016	GOKUL RAJ R	29.07.2022 & 1893	Rs.600/-
11	19MTR019	GOKUL RAJ P	29.07.2022 & 1894	Rs.600/-
12	19MTR026	JAGAN S	29.07.2022 & 1895	Rs.600/-
13	19MTR027	JAYAPRAKASH G	29.07.2022 & 1896	Rs.600/-
14	19MTR028	JAYARAMAN R	29.07.2022 & 1897	Rs.600/-
15	19MTR029	MOHINI S P	29.07.2022 & 1898	Rs.600/-
16	19MTR031	KARTHIKEYAN K	29.07.2022 & 1899	Rs.600/-
17	19MTR033	KAVIN T R S	29.07.2022 & 1900	Rs.600/-

Dr. B. Meenakshipriya
16/8/2022

Dr. A. Balaji
16/8/2022

18.	19MTR036	KIRTHIK RAJA VI	29.07.2022 & 1901	Rs.600/-
19.	19MTR038	KISHOR KUMAR B	29.07.2022 & 1902	Rs.600/-
20.	19MTR039	KISHORE M	29.07.2022 & 1903	Rs.600/-
21.	19MTR040	KUMARAGURU A	29.07.2022 & 1904	Rs.600/-
22.	19MTR041	KUMARAN L Y	29.07.2022 & 1905	Rs.600/-
23.	19MTR043	LALU PRASANNA S B	29.07.2022 & 1906	Rs.600/-
24.	19MTR047	MEGAVARTHINI M	29.07.2022 & 1907	Rs.600/-
25.	19MTR048	MITHILAASHIYAADAV D	29.07.2022 & 1908	Rs.600/-
26.	19MTR050	MOHAMMED THOWFIQ N	29.07.2022 & 1909	Rs.600/-
27.	19MTR051	MOHAMMED ADHIH H	29.07.2022 & 1910	Rs.600/-
28.	19MTR053	MOHANRAJ G	29.07.2022 & 1911	Rs.600/-


 Coordinator
 (Mr.A. Balaji)


 HOD-MTS
 5/8/2022

KONGU ENGINEERING COLLEGE

(Autonomous)
PERUNDURAI, TRODI - 638 060

DEPARTMENT OF MECHATRONICS ENGINEERING



CIRCULAR

13.04.2022

One Credit Course on

"Robot Operating System"

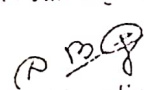
Course Objective: To enhance and uplift the skills in Robot Software Development

It is planned to conduct a one-credit course on "Robot Operating System" through the virtual platform. The course details are given below

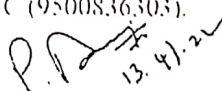
Course details:

Date Schedule	16.01.2022 to 31.05.2022
Duration	30 Hrs
Time	9.30 am to 11.30 am / 03.30 pm to 05.30 pm (On Weekends)
Venue	Google Meet
Course Fee	Rs. 600
Strength per Batch	35 Students. (It may be reduced; If more than 33 members enroll)
- Names will be enrolled on a first come first serve basis - Fee should be paid on or before 18.04.2022	

Interested students can register their name to Mr. A. Balaji, AP MTS, KEC (9500836303).


Course Coordinator

(Dr. B. Meenakshipriya
Mr. A. Balaji, Dr. I. Tamilarasi)


HOD-MTS

(Dr. P. Ravichandran)

Course Description: This Course provides an intuitive understanding on ROS Framework which will help the learners to leverage their knowledge in Robot Software Development. Course has been designed for undergrads to research scholars who might effectively use this course as a kick start for their development, Project or Research purpose.

Course Content:

Theory	Introduction to ROS Framework and Prerequisites - Understanding Communication in ROS - File system level, Graph level - Transformations - ROS motions and controls - ROS in robotic manipulators - ROS Bootcamp - ROS Embedded and Real Time Systems	(15 Hrs)
	- ROS Ecosystem, Programming nodes, Understanding Topics, Services - ROS II - Introduction to Simulation, Gazebo and RViz - ROS Motion (Intermediate Level) - Turtle Bot - ROS1 Specific	(15 Hrs)
Practical		

UP TO
₹. 20,000/-KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 050
PROGRAMME APPROVAL FORMAD-12-PP
REV.1
01.01.2021

Proposal Tracking No. KEC/11412/2022-2023/01/0012

Date 12/4/2022

Dept Ref No.: MT/2022-2023/003

1.	Department:	Mechatronics Engineering		
2.	a) Name of the Programme	One credit course on "Robot Operating System" for B.E. - II		
	b). Norms under which it is proposed	One credit course Norms		
3.	Dates:	From: 16.04.2022	TO: 31.05.2022	No. of Days 10
4.	Programme for:	Faculty	Students ✓	Others (Specify) ✓
5.	Level:	State / National / International	Association	Institution / Dept. / Self / General -
6.	Highlights of the Programme:	To promote knowledge on ROS Platform for 111 Year MTS students		

1. Proposed Invitees

S. No.	Purpose	Chief Guest	Speakers / Jury	Trust Member Invitees
1	-	-	-	-
2	-	-	-	-

2. Agenda: Programme Agenda / Schedule Enclosed : Yes / No -

3. Expenditure:

S No.	Purpose	Proposed	Revised	Actual	Remarks
1	External Expert Remuneration	Rs. 12,800/-	-	-	(Course Fee of
2	Coordinator fee	Rs. 1,000/-	-	-	amount Rs. 600/-
3					per student x 33
4					Students = Rs. 19,800/-
5					will be collected from
6					Students)
Total		Rs. 19,800/-			

4. Source

Students Course Registration fee

	Proposed	Actual
Budget Allotment		
Balance Amt. Available		
Expenses Proposed		
Balance	Rs. 19,800/-	

P.D.C.P. 12/4/22
Faculty In-charge (with Name)
(A. BALAJI)P.D.C.P.
H.O.D. 13/4/22Signature
5/5/22
CCO (S)

PRINCIPAL

KONGU ENGINEERING COLLEGE PERUNDURAI TRODE - 638 060
DEPARTMENT OF MECHATRONICS ENGINEERING
ONE CREDIT COURSE ON 18VAC21 ROBOT OPERATING SYSTEM
ATTENDANCE PERCENTAGE from 16.04.2022 to 31.05.2022

S No	Roll No	Name of the Student	No. of Hours Conducted	No. of Hours Attended	Attendance Percentage
1	19VAC2101	ABHIRAM K	30	30	100
2	19VAC2102	AKSHAY KANNAN R	30	30	100
3	19VAC2103	ARAVINDHAN D	30	30	100
4	19VAC2104	ASHWIN GURUNAN	30	30	100
5	19VAC2105	DEVAGURU C	30	30	100
6	19VAC2106	DEVY ROBIN THIRUS	30	30	100
7	19VAC2107	DEVYADE ARSINIG	30	30	100
8	19VAC2108	DEVYANI SETHAKKARAVARTHI M	30	30	100
9	19VAC2109	DILIPANATHAN M	30	30	100
10	19VAC2110	GOKUL RAJ R	30	30	100
11	19VAC2111	GOKUL RAJ P	30	30	100
12	19VAC2112	JAGAN N	30	30	100
13	19VAC2113	JAYAPRAKASHIG	30	30	100
14	19VAC2114	K. Y. ARAMIAN R	30	30	100
15	19VAC2115	KEDHILIP	30	30	100
16	19VAC2116	KARTHIKEYAN K	30	30	100
17	19VAC2117	KAVIN ERS	30	30	100
18	19VAC2118	KRITHIK RAVI V	30	30	100
19	19VAC2119	KISHOR KEMARIB	30	30	100
20	19VAC2120	KISHORE M	30	30	100
21	19VAC2121	KEMARAGURU A	30	30	100
22	19VAC2122	KEMARAGURU S	30	30	100
23	19VAC2123	KEMARAGURU S	30	30	100
24	19VAC2124	KEMARAGURU S	30	30	100
25	19VAC2125	KEMARAGURU S	30	30	100
26	19VAC2126	KEMARAGURU S	30	30	100
27	19VAC2127	KEMARAGURU S	30	30	100
28	19VAC2128	KEMARAGURU S	30	30	100
29	19VAC2129	KEMARAGURU S	30	30	100
30	19VAC2130	KEMARAGURU S	30	30	100

(Signature)
Course Coordinator
(06.06.2022)

(Signature)
HOD MTS
06/06/2022

KONGU ENGINEERING COLLEGE, PERUNDURAI, ROOBI - 638 060
DEPARTMENT OF MECHATRONICS ENGINEERING
ONLINE COURSE ON ISV AC 21 ROBOT OPERATING SYSTEM
MARK SHEET

S.No	Roll No	Name of the Student	Assignment (20)	Assessment Test (30)	Laboratory Experiments (30)	Practical Assessment (20)	Total Marks (100)	Remarks
	19MTER001	ABIR CHANVAR K	14	23	30	13	77	Pass
	19MTER008	AKSHAY KANNAN R	15	24	30	11	80	Pass
	19MTER009	AKASINDHAN D	15	23	30	9	77	Pass
	19MTER009	ASHWIN G HANAN	14	23	30	10	77	Pass
	19MTER010	BALAJI R	12	20	30	5	67	Pass
	19MTER011	DANUS KODINILERS	11	22	30	10	73	Pass
	19MTER012	DEVA ADEVARINILG	19	23	30	5	77	Pass
	19MTER013	DEIVANISHU GAKKARAVARTHI M	20	24	30	6	80	Pass
	19MTER014	DEVI MATHISIA M	20	24	30	6	80	Pass
	19MTER016	GOKUL RAJ R	13	23	30	11	77	Pass
	19MTER019	GOKUL RAJ P	13	23	30	11	77	Pass
	19MTER026	GAJANAN	14	23	30	10	77	Pass
	19MTER027	ANAPRAKASH G	18	24	30	8	80	Pass
	19MTER028	GAYARAMAN R	15	23	30	9	77	Pass
	19MTER029	GHOSH S P	15	23	30	9	77	Pass
	19MTER031	KARTHIKEYAN K	18	23	30	6	77	Pass
	19MTER033	KAVIN LERS	18	23	30	6	77	Pass
	19MTER036	KIRITHIK RAJA V	17	23	30	7	77	Pass
	19MTER038	KISHOR KUMAR B	17	23	30	7	77	Pass
	19MTER039	KISHORE M	15	23	30	6	74	Pass
	19MTER040	KUMARAGURU A	15	24	30	11	80	Pass
	19MTER041	KUMARAN T V	17	24	30	6	80	Pass
	19MTER043	LALU PRASANNA S B	17	23	30	7	77	Pass
	19MTER044	MELGAVARTHEEN M	17	23	30	7	77	Pass
	19MTER048	MUTHU VASHTY AIDAN D	17	23	30	7	77	Pass
	19MTER050	MOHAMMED THOWFIQ N	17	23	30	7	77	Pass
	19MTER051	MOHAMMED ADITHYAN	17	23	30	7	77	Pass
	19MTER053	MOHAN KALU	17	23	30	7	77	Pass

P. B. P. 21/8/2022
Course Coordinator
(M. B. A. J. P.)

P. B. P. 21/8/2022
HOD - VIT