

R.M.D Engineering College

Building Management Systems (BMS)

CENTRE OF EXCELLENCE

- The visionary Management intends to bridge the gap between Academic and industry. The students are provided with in-depth training in niche areas so that the students are job ready. In line with this vision, the R.M.K. Group of Institutions has identified the key technologies for the Building Management Systems namely Heating, Ventilation and Air Conditioning (HVAC), Access control system and Fire Alarm system as the area of focus for the branch of Electronics and Instrumentation Engineering.

Objectives of CoE-BMS

- To provide Building Management System Course to the students in collaboration with Johnson Control India.
- To create a platform for the students in acquiring the latest technology in the field of Building Management Systems through Industry Internship
- To motivate the students to do projects in BMS.
- To prepare the students for a successful career in Building Automation Systems as expected by the Industry

Core Team Members

SPOC: Dr.G.Nalinashini, Professor/EIE,RMDEC

Coordinator : Mrs. N.Padmavathi,Associate.Prof./EIE, RMDEC

List of Advisory Committee members

Mr.Atul Shitkande,Senior Manager, **Johnson Controls India Ltd**

Mr.Dilip Kumar Muni,Head –GECOC IN, **Siemens Ltd**

Mr.D. Ramesh Babu, Joint General Manager, **L&T Technology Services**

Ms. Bhanumathy , Managing Director, **VenbaTech Pvt Ltd**

Mr. K.Balasubramanian, Managing Director, **Q Pro Consulting Engineers**

Mr.J.Vishnuvardhan,Chief Managing Director, **Trend Instrumentation&Automation Ltd.**

Activities

- Train the trainer- Faculty development Program.
- Students Projects and internships.
- Theory and Practical sessions on BMS by CoE core team members and resource persons from renowned Industries.
- Guest lectures by expert team members
- Advisory committee member meeting with resource persons from renowned Industries.

- Development of Projects by the students and demonstration to industry experts
- Participating in Contests related to automation in BMS

Photos:



RMK Group of Institutions signed a **Memorandum of Understanding (MoU)** with **Johnson Controls India Pvt Ltd** (leading provider of Global Industry Solutions and Services to optimize energy and operational efficiencies of buildings) on **19th July, 2016** to strengthen the Industry – Academic ties. **Shri.Nilankur Mazumdar, Sr.General Manager – HR of Johnson Controls India Pvt Ltd** and **Shri R.S.Munirathnam – Founder, Chairman of RMK Group of institutions** signed the MOU.



Honorable Founder, Chairman of RMK Group of institutions Shri R.S.Munirathinam along with. **Shri.Nilankur Mazumdar, Sr.General Manager – HR** of Johnson Controls India Pvt Ltd inaugurated **Building Management Systems Laboratory** on **19.07. 2016**.

Activities during the Academic year 2016-2017

- As a part of JCI Enrich program **Screening test** was conducted on **04.08.16** for the interested III year EIE students .25 students from RMKEC and 25 students from RMDEC are shortlisted for Basic level BMS Training.
- **Dr.G.Nalinashini,Assoc. Professor/EIE, Coordinator, SPoC** and **Mrs.N.Padmavathi,AP/EIE, Co-coordinator**, handled the Basic level BMS Training classes from **29.08.16** to **01.09.16**
- Dr.G.Nalinashini, Assoc. Professor/EIE, **Coordinator, SPoC** and Mrs.N.Padmavathi, AP/EIE, **Co- coordinator** attended Advanced BMS Training(module 1) at Johnson Controls India Pvt Ltd,Pune from **05.01.17** to **07.01.17**
- Special Guest Lecture on “Intelligent Buildings” was delivered by Mr.Sameer Walwatkar, Project Manager, Johnson Controls India Pvt Ltd on **14.02.17**.
- Basic BMS course assessment test was conducted on **14.02.17** for the BMS trained students
- Mr.Sameer Walwatkar, Project Manager, Johnson Controls India Pvt Ltd handled Advanced BMS Training(module 2) session to CoE Coordinators at R.M.D.Engineering College from **15.02.17** to **17.02.17**

Activities during the Academic year 2017-2018

- As a part of JCI Enrich program **Screening test** was conducted on **23.12.17** for the interested III year EIE students .25 students from RMKEC and 25 students from RMDEC are shortlisted for Basic level BMS Training.
- **Dr.G.Nalinashini, Assoc. Professor/EIE, Coordinator, SPoC** and **Mrs.N.Padmavathi,AP/EIE, Co- coordinator**, handled the Basic level BMS Training classes on **27.12.17 ,28.12.17,09.01.18** and **10.01.18**

- Advanced BMS course selection test was conducted on **23.01.18** for the BMS trained students
- Special Guest Lecture on “**Smart city**” was delivered by **Mr.Rahul P.Patil, Engineering Manager, Operations, Johnson Controls India Pvt Ltd** on **05.02.18**.
- **Rahul P.Patil, Engineering Manager**, Operations, Johnson Controls India Pvt Ltd had technical discussion with Advanced BMS Trained students on **05.02.18**.
- Advanced BMS Course Online Continuous Assessment tests were conducted on **15.02.18 &19.02.18** for module 1 to 4. Interaction session with JCI Mentors are arranged on to bridge the learning gap

Activities during the Academic year 2018-2019

- As a part of JCI Enrich program **Screening test** was conducted on **14.11.18** for the interested III year EIE students .25 students from RMKEC and 12 students from RMDEC are shortlisted for Basic level BMS Training.
- **Dr.G.Nalinashini, Assoc. Professor/EIE, Coordinator, SPoC** and **Mrs.N.Padmavathi,AP/EIE, Co- coordinator**, handled the Basic level BMS Training classes on **16.11.18,17.11.18, 19.11.18 and 20.11.18** for the **2017-2021 Batch EIE students**
- **Dr.G.Nalinashini, Assoc. Professor/EIE, Coordinator, SPoC** and **Mrs.N.Padmavathi,AP/EIE, Co- coordinator**, handled the Basic level BMS Training classes on **30.11.18,01.12.18, 03.12.18 and 05.12.18** for the **2016-2020 Batch EIE students**
- Advanced BMS course selection test was conducted on **31.01.19** for the BMS trained students
- Advanced BMS Course Online Continuous Assessment test were conducted on **08.02.18,14.02.18,22.02.19** for modules 1 to 6. Interaction session with JCI Mentors are arranged to bridge the learning gap

Student Achievements

- **Jeevan .P, Goutham.P** of IV year EIE has won Second prize in “**Project Expo 2k16**” conducted at university college of Engineering, Ariyalur on 17.03.16 for the BMS project titled “**IoT based Drainage Level Monitoring**”.

- III yr CoE-BMS Students **P.Saranya, Prashaanti Jayaraman** has Won **5th Position** in Final Round of 4th Mitsubishi Electric Cup 2019, National Level Automation Competition held at Faridabad, New Delhi and Received Medals With A Cash Prize Of Rs 10000

Faculty Training/Certifications

S.No	Training Dates/Days	Resource Persons	Venue	Training Content	Certification	Participants
1	04.06. 14 to 06.06. 14 (3)	Mr.Nilesh, Manager, Project Manager, JCI	Johnson Controls India Ltd, Pune	Building Management Systems	M/S Johnson Controls India Ltd	Dr.G.Nalinashini Assoc,Prof/EIE RMDEC Ms. N.Padmavathi Asst.Prof/EIE RMDEC
2	27.01.16 to 29.01.16 (3)	Mr. Vinay Varne, Manager, JCI.	BMS Lab,RMDEC	Hands on training in software tools of BMS		
3	11.6.16 (1)	Mr.Ekambaram, Manager	Ravel Electronics, Chennai	Addressable Detection system	Ravel Electronics Pvt.Ltd, Chennai	
4	05.01.17 to 07.01.17 (3)	Mr.Sameer Walwatkar, Project Manager, JCI	Johnson Controls India Ltd, Pune	Advanced BMS Training(Module 1)	M/S Johnson Controls India Ltd	
5	15.02.17 to 17.02.17 (3)	Mr.Sameer Walwatkar, Project Manager, JCI	EIE Dept, RMDEC	Advanced BMS Training(Module 2)		

Membership in professional Society:

ISOI,

ISHRAE

ISTE

IEEE

Total students trained in BMS CoE from R.M.D EC –EIE

BATCH	No of Trained Students
2011-2015	15
2012-2016	126
2013-2017	56
2014-2018	25
2015-2019	25

Placement/Internship details of CoE students :

Name	Industry	Year of Recruitment
VIGNESH. T.N	Thangam Corporate Services Pvt Ltd	2018
M.SURYAPRAKASH	Emerson process management chennai pvt ltd	2017
D.SAVITHA	Emerson process management chennai pvt ltd	2017
NAGARAJ.A	CODOMO Security Solutions Pvt Ltd	2017
JAGADISH.R	WAVES group of companies	2017
BARATHNIVASH.R.P	Johnson Control India Pvt Ltd, Mumbai	2016
YOGESH.S	SRF, Engineering Plastcis Business	2016
S.ASHWATH	Johnson Control India Pvt Ltd, Mumbai	2014
S.KRITHIKA	Johnson Control India Pvt Ltd, Mumbai	2013

Photos



Guest Lecture on “BUILDING MANAGEMENT SYSTEM, by Mr.Ratish, Technical support Engineer ,Honeywell, on 19th September 2014.



Guest Lecture on “BUILDING MANAGEMENT SYSTEM, by Mr.Dilip Kumar Muni,Head of GECOC Graphic Engineering Competency Centre, Siemens Ltd , on 19th September 2014.



Guest Lecture on “BUILDING MANAGEMENT SYSTEM, by Ms.Bhanumathy Venkat ,Managing Director Venba Tech Pvt Ltd., on 27th January 2015.



Guest Lecture on “BUILDING MANAGEMENT SYSTEM, by Mr.K.Balasubramanian, Q-Pro Consulting Engineers(P) Ltd ,Managing Director, on 18th August 2015.



Guest lecture about Intelligent Buildings by Mr .Sameer Walwatkar,Project Manager, JCI on 14th February 2017.



Advanced BMS Training for BMS coordinators by Mr.Sameer Walwatkar,Project Manager,JCI on 15.02.17



Special Guest Lecture on “Smart city” was delivered by **Mr.Rahul P.Patil, Engineering Manager, Operations, Johnson Controls India Pvt Ltd** on 05.02.18.



Project Demonstration by BMS Students to JCI expert Team

